

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019139.D
 Acq On : 28 Oct 2020 17:10
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 2:58:22 PM

Quant Time: Oct 29 03:55:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	225843	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	219882	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	114243	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74401	36.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.52%
7) Chloroethane-d5	1.58	69	63301	38.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.66%
11) 1,1-Dichloroethene-d2	2.12	63	123649	32.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.36%
21) 2-Butanone-d5	3.91	46	107344	77.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.79%
24) Chloroform-d	4.37	84	159922	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.14%
26) 1,2-Dichloroethane-d4	5.05	65	114749	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.12%
32) Benzene-d6	5.07	84	298897	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.88%
36) 1,2-Dichloropropane-d6	6.09	67	90545	41.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.12%
41) Toluene-d8	7.34	98	275841	45.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.72%
43) trans-1,3-Dichloropropene-	7.64	79	49244	44.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.22%
47) 2-Hexanone-d5	8.11	63	81593	86.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.13%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	118844	40.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	117983	49.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4045	2.299 ug/L	90
3) Chloromethane	1.25	50	4593	2.099 ug/L	93
5) Vinyl chloride	1.32	62	4684	2.173 ug/L #	67
6) Bromomethane	1.53	94	3010	2.441 ug/L	92
8) Chloroethane	1.60	64	3406	2.520 ug/L	95
9) Trichlorofluoromethane	1.77	101	7570	2.670 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4108	2.725 ug/L #	87
12) 1,1-Dichloroethene	2.13	96	4538	3.008 ug/L #	1
13) Acetone	2.19	43	4572	4.889 ug/L	76
14) Carbon disulfide	2.31	76	10211	2.053 ug/L	97
15) Methyl Acetate	2.45	43	4262	2.169 ug/L	99
16) Methylene chloride	2.52	84	4682	2.663 ug/L	81
17) trans-1,2-Dichloroethene	2.78	96	3918	2.458 ug/L	87
18) Methyl tert-butyl Ether	2.79	73	13474	2.607 ug/L	97
19) 1,1-Dichloroethane	3.21	63	7558	2.348 ug/L	93
20) cis-1,2-Dichloroethene	3.95	96	4267	2.503 ug/L	87
22) 2-Butanone	4.03	43	4533m	3.536 ug/L	

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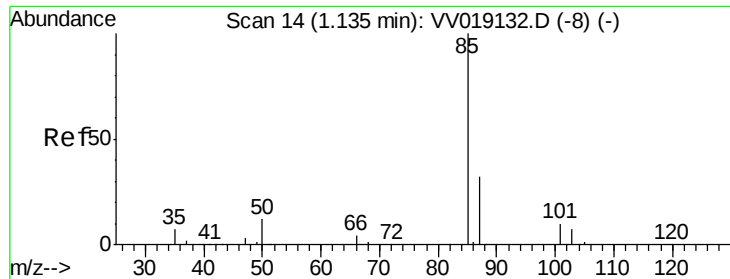
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2215	2.553	ug/L	81
25) Chloroform	4.40	83	9164	2.890	ug/L	98
27) 1,2-Dichloroethane	5.16	62	7499	2.850	ug/L	97
29) Cyclohexane	4.70	56	4892	1.859	ug/L #	85
30) 1,1,1-Trichloroethane	4.64	97	7524	2.748	ug/L	94
31) Carbon tetrachloride	4.86	117	6191	2.594	ug/L	98
33) Benzene	5.13	78	15659	2.326	ug/L	100
34) Trichloroethene	5.94	95	4251	2.499	ug/L	98
35) Methylcyclohexane	6.16	83	4251	1.827	ug/L	96
37) 1,2-Dichloropropane	6.20	63	4034	2.177	ug/L #	94
38) Bromodichloromethane	6.54	83	5814	2.480	ug/L	89
39) cis-1,3-Dichloropropene	7.05	75	6702	2.447	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	10040	4.016	ug/L	96
42) Toluene	7.41	91	17436	2.524	ug/L	93
44) trans-1,3-Dichloropropene	7.68	75	6552m	2.411	ug/L	
45) 1,1,2-Trichloroethane	7.87	97	4036	2.466	ug/L	97
46) Tetrachloroethene	8.00	164	3550	2.720	ug/L	97
48) 2-Hexanone	8.16	43	8810	4.567	ug/L #	95
49) Dibromochloromethane	8.27	129	4581	2.561	ug/L	100
50) 1,2-Dibromoethane	8.38	107	4422	2.604	ug/L	95
51) Chlorobenzene	8.90	112	11850	2.674	ug/L	98
52) Ethylbenzene	9.04	91	17467	2.338	ug/L	99
53) m,p-Xylene	9.16	106	6175	2.258	ug/L	97
54) o-xylene	9.57	106	5902	2.241	ug/L	87
55) Styrene	9.59	104	9765	2.090	ug/L	99
56) Isopropylbenzene	9.96	105	15700	2.267	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	6137	2.279	ug/L #	95
59) 1,2,3-Trichloropropane	10.30	75	5096	2.352	ug/L	98
61) Bromoform	9.76	173	3497	2.718	ug/L #	38
62) 1,3-Dichlorobenzene	11.21	146	8336	2.432	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	9926	2.771	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	9620	2.783	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	1427	2.337	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	6367	2.720	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	6075	2.752	ug/L	94
69) Naphthalene	13.53	128	12352	1.816	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	5600	2.504	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 2.299 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 85 Resp: 4045

Ion Ratio Lower Upper

85 100

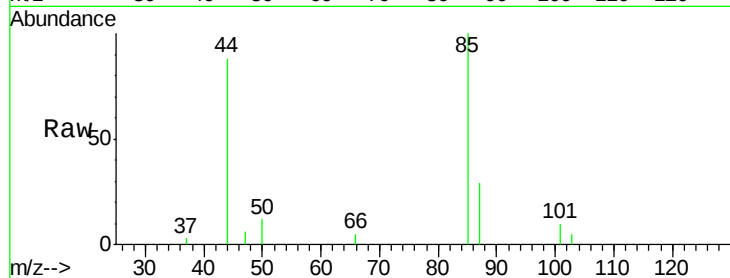
87 26.6 25.5 38.3

Manual Integrations

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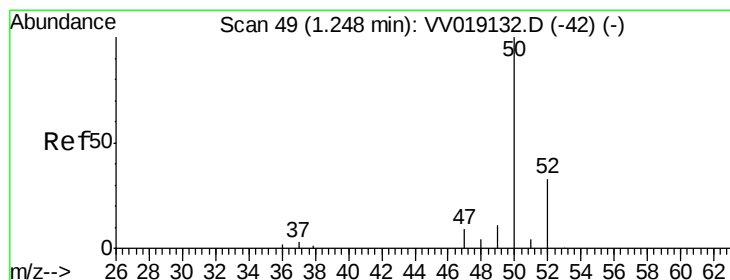
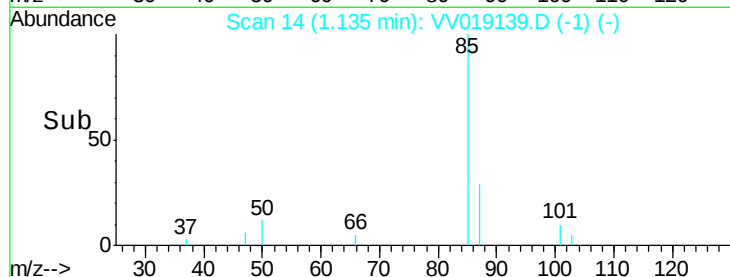
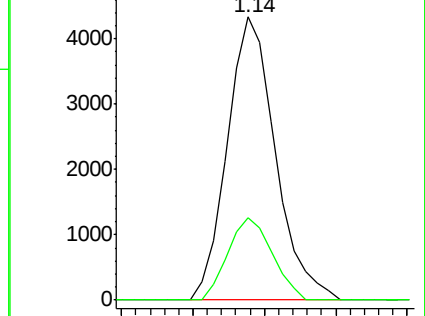
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.099 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019139.D

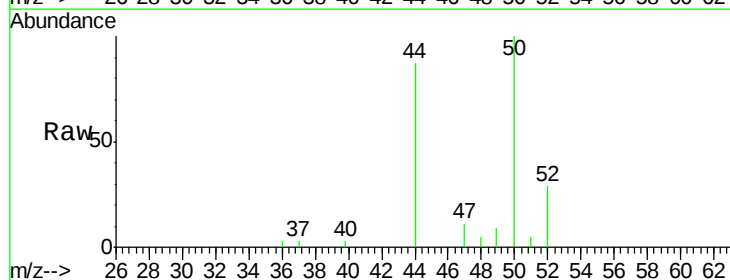
Acq: 28 Oct 2020 17:10

Tgt Ion: 50 Resp: 4593

Ion Ratio Lower Upper

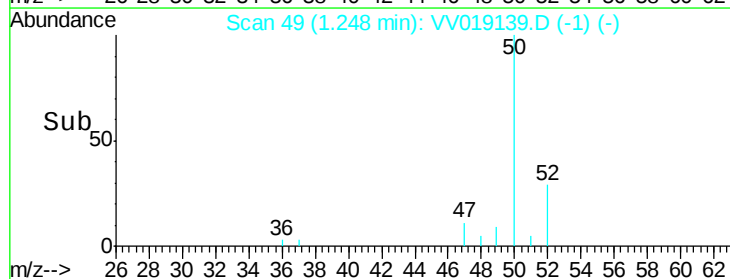
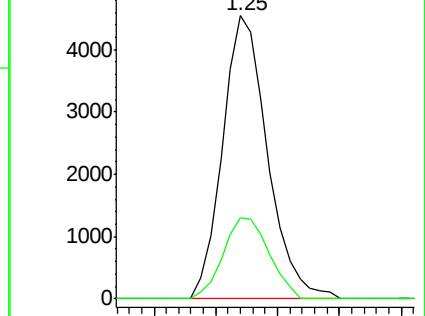
50 100

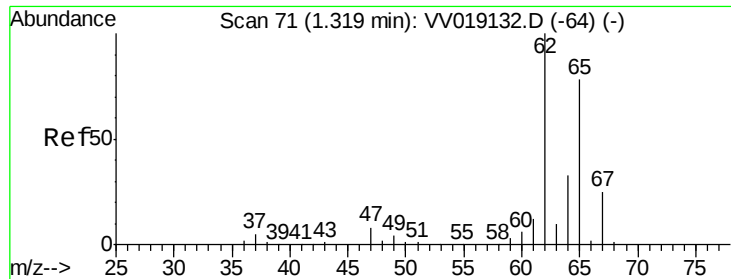
52 28.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.173 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 62 Resp: 4684

Ion Ratio Lower Upper

62 100

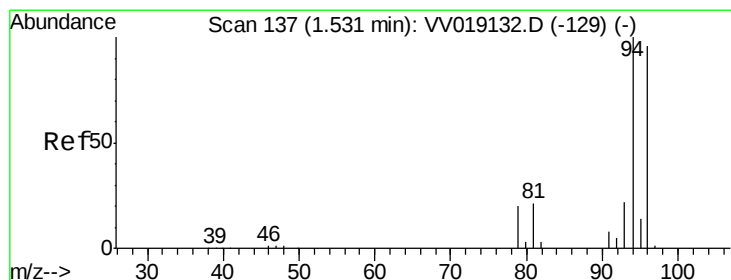
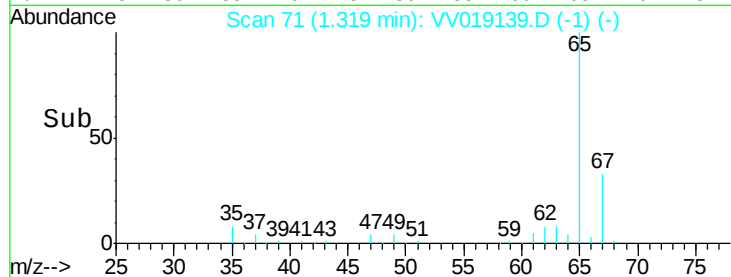
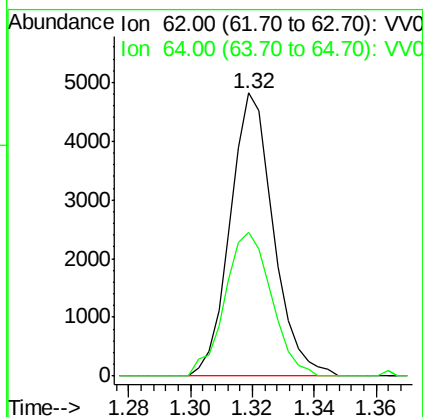
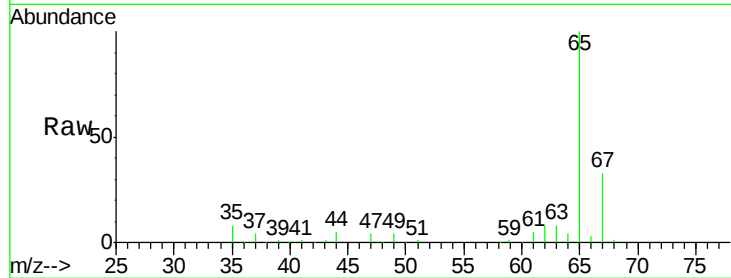
64 51.0 22.9 42.5#

Manual Integrations

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#6

Bromomethane

Concen: 2.441 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019139.D

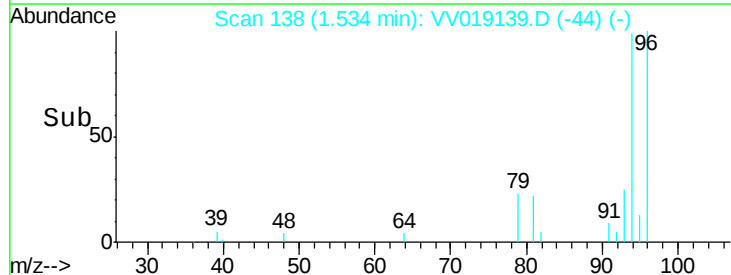
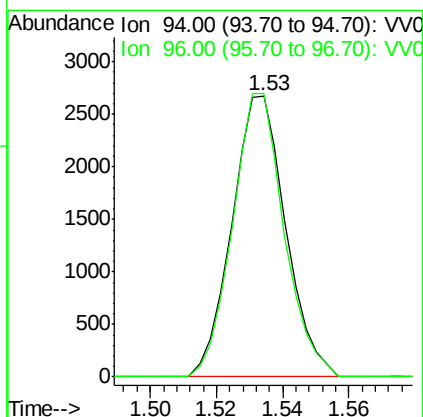
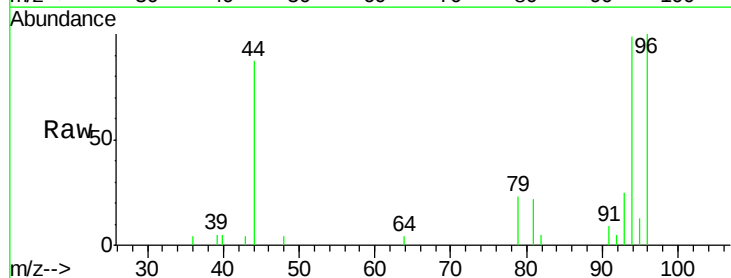
Acq: 28 Oct 2020 17:10

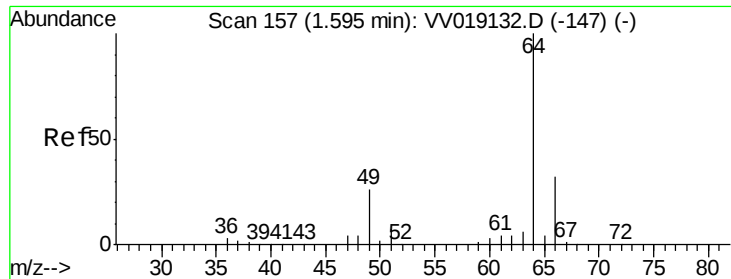
Tgt Ion: 94 Resp: 3010

Ion Ratio Lower Upper

94 100

96 100.6 65.3 121.3





#8

Chloroethane

Concen: 2.520 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 64 Resp: 3406

Ion Ratio Lower Upper

64 100

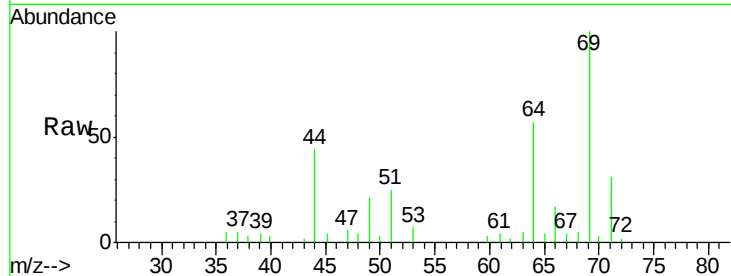
66 29.2 22.5 41.9

Manual Integrations

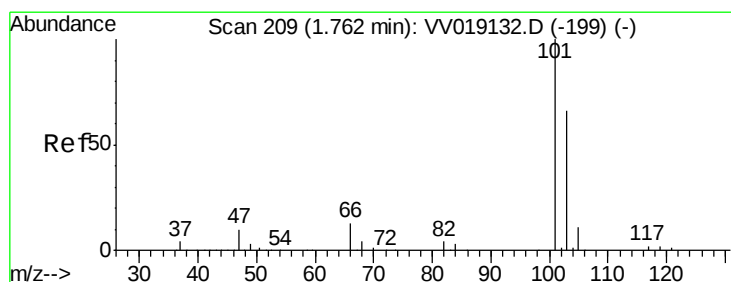
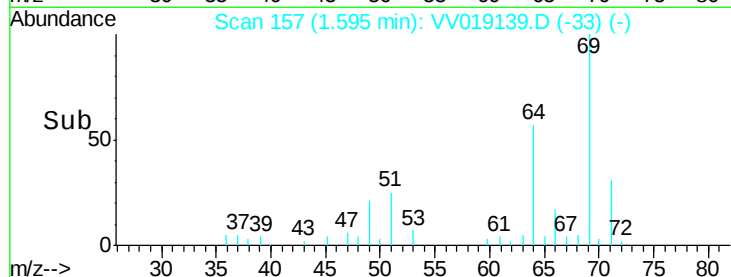
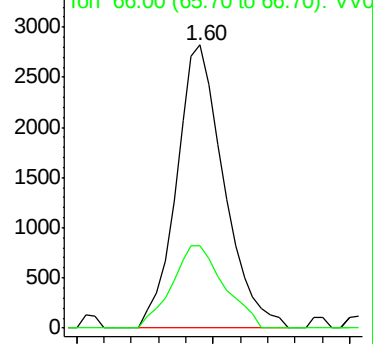
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Abundance Ion 64.00 (63.70 to 64.70): VV019139.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 2.670 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019139.D

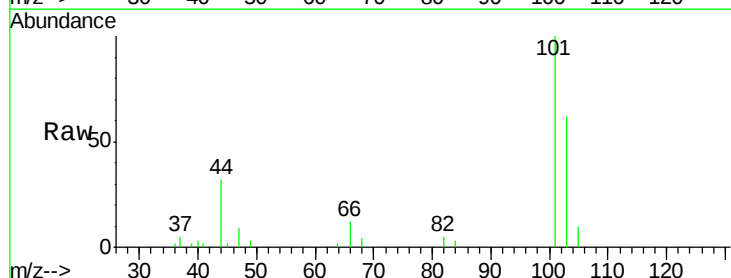
Acq: 28 Oct 2020 17:10

Tgt Ion: 101 Resp: 7570

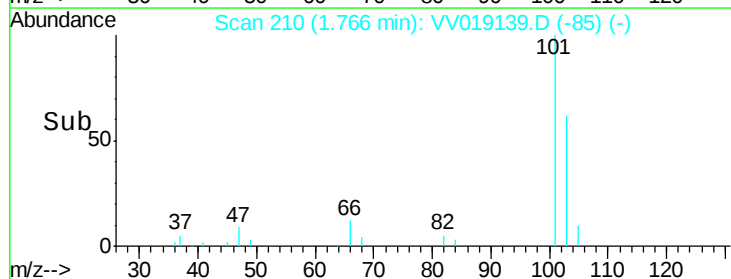
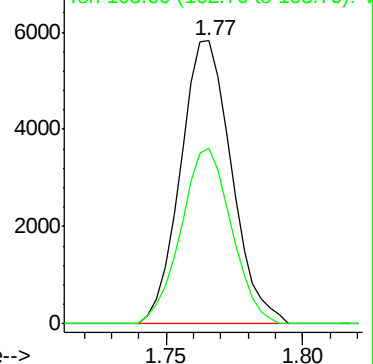
Ion Ratio Lower Upper

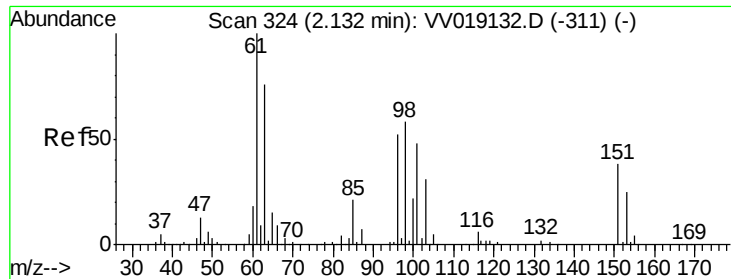
101 100

103 61.1 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019139.D (-199) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.725 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

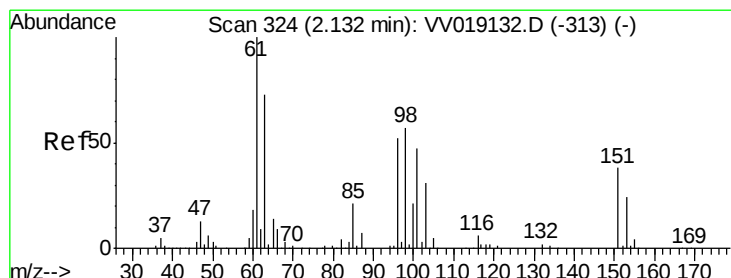
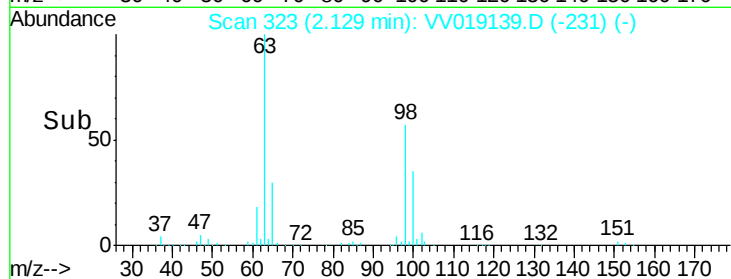
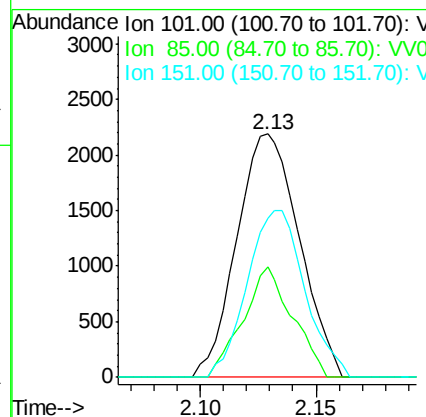
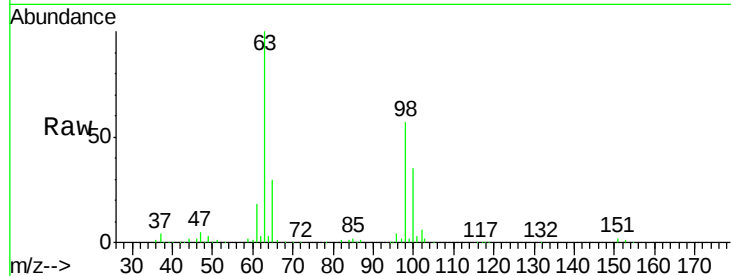
ClientSampled :

MDL04

Tot Ion:	101	Resp:	4108
Ion Ratio	Lower	Upper	
101	100		
85	35.9	36.9	55.3#
151	63.0	58.2	87.2

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.008 ug/L

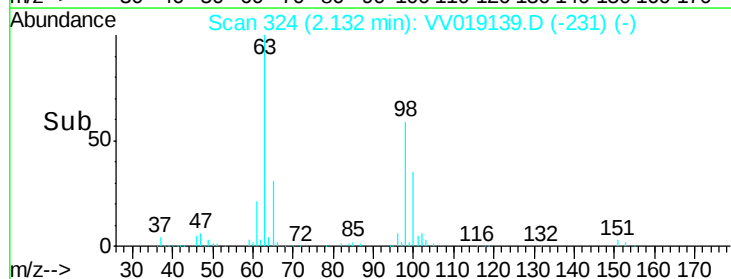
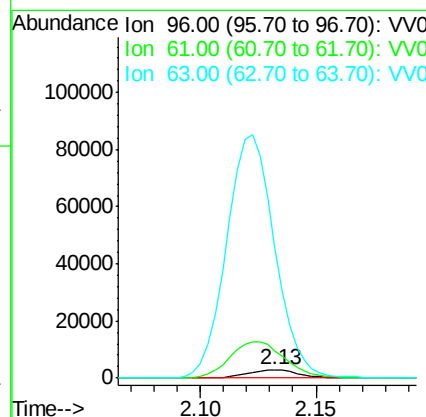
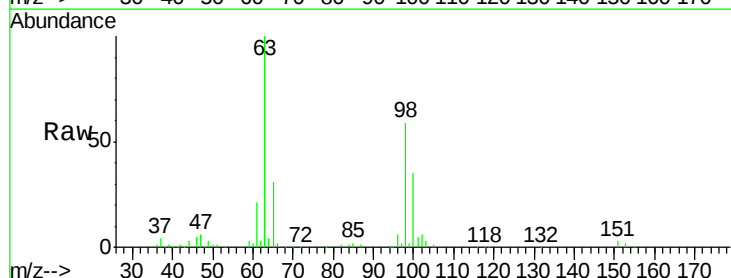
RT: 2.13 min Scan# 324

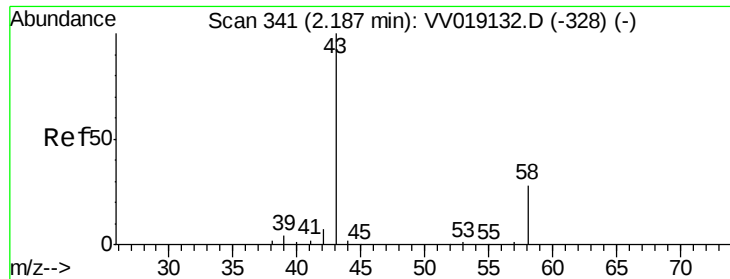
Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Tgt Ion:	96	Resp:	4538
Ion Ratio	Lower	Upper	
96	100		
61	338.7	138.7	257.7#
63	1599.4	126.3	234.6#





#13

Acetone

Concen: 4.889 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 43 Resp: 4572

Ion Ratio Lower Upper

43 100

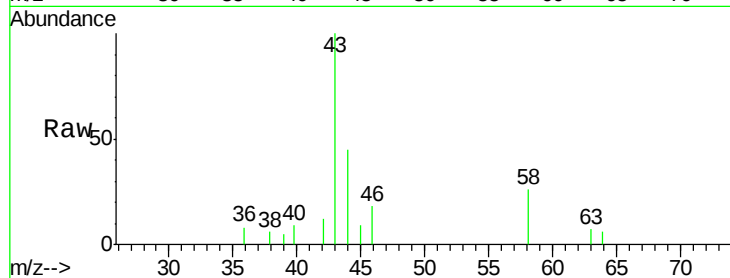
58 17.0 0.0 60.2

Manual Integrations

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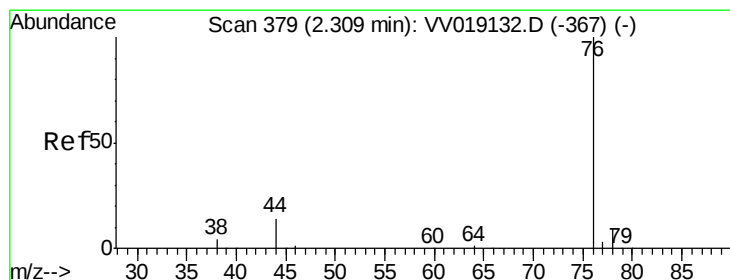
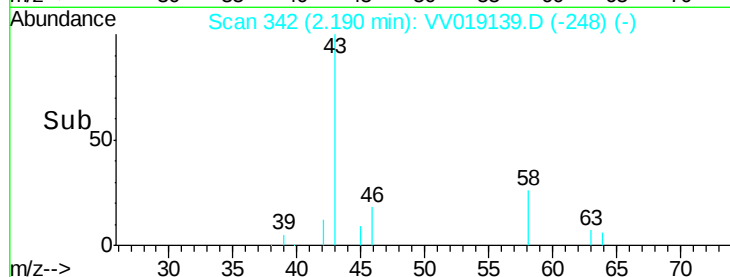
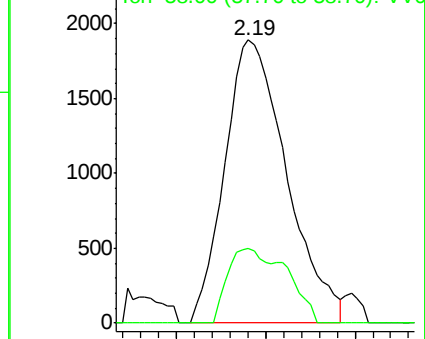
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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 2.053 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019139.D

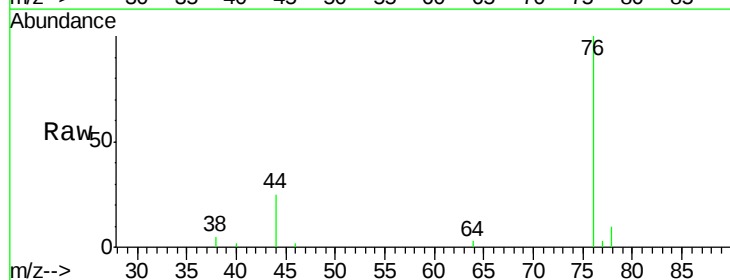
Acq: 28 Oct 2020 17:10

Tgt Ion: 76 Resp: 10211

Ion Ratio Lower Upper

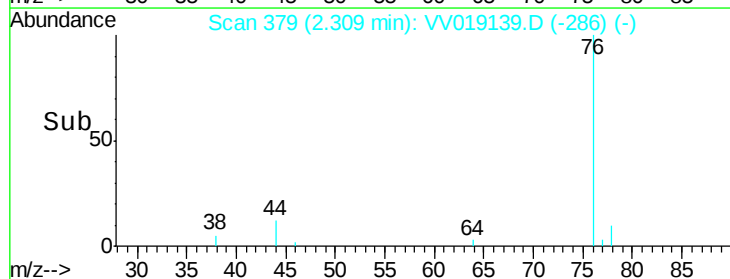
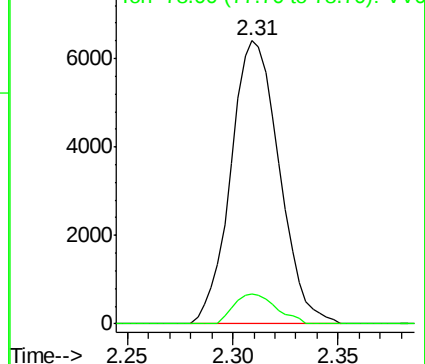
76 100

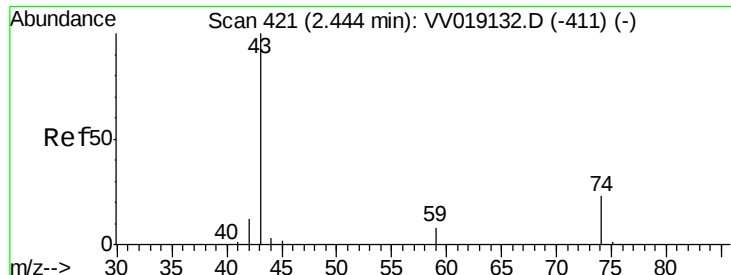
78 10.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





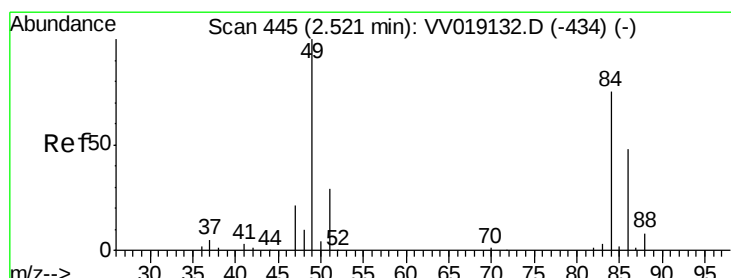
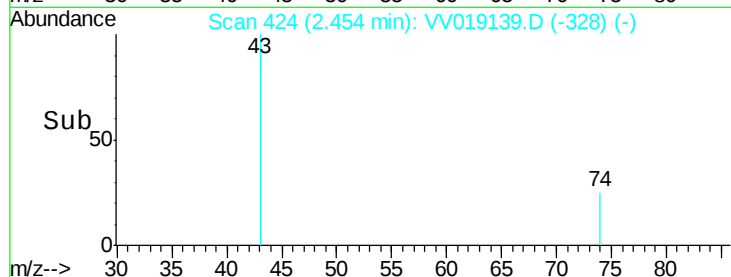
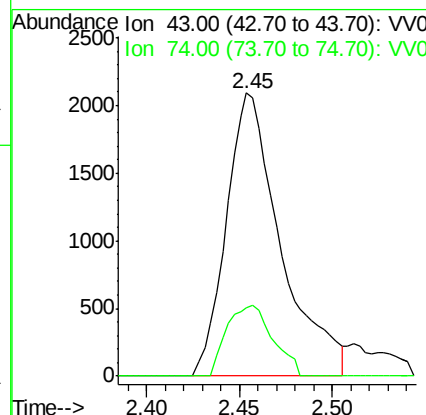
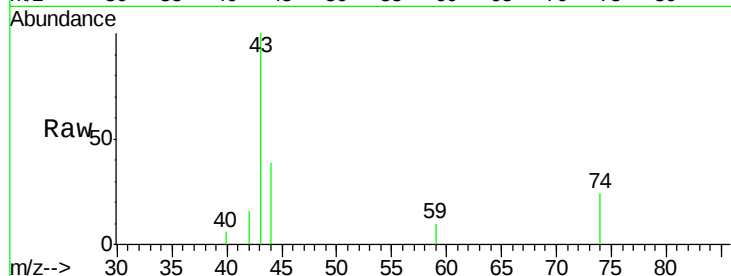
#15
Methvl Acetate
Concen: 2.169 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion: 43 Resp: 4262
Ion Ratio Lower Upper
43 100
74 21.1 16.4 24.6

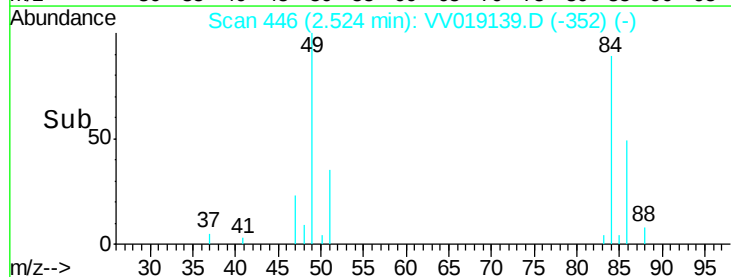
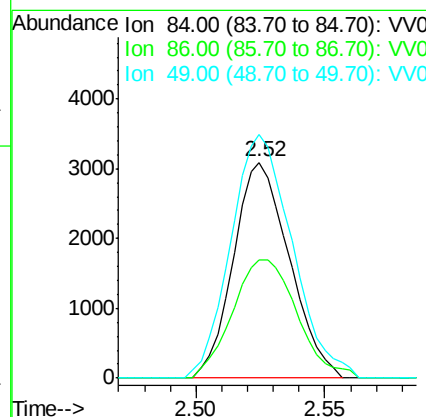
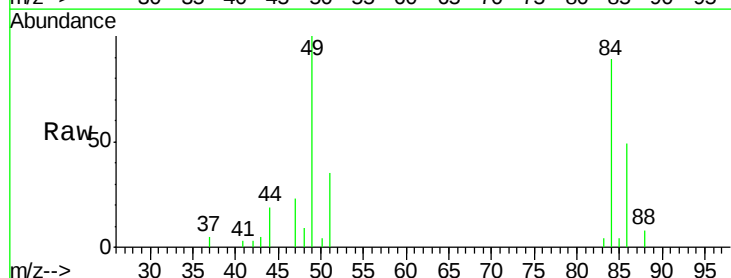
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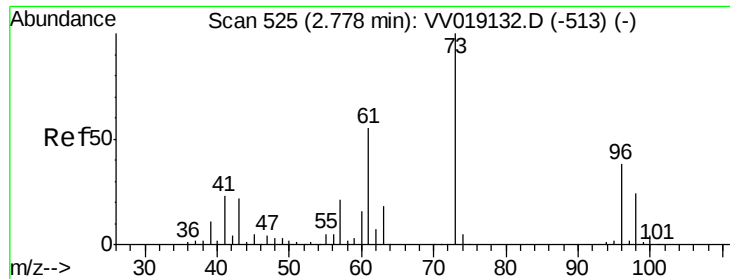
MMDadoda
10/29/2020 2:58:22 PM



#16
Methylene chloride
Concen: 2.663 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion: 84 Resp: 4682
Ion Ratio Lower Upper
84 100
86 55.0 44.2 82.2
49 112.9 98.0 182.0





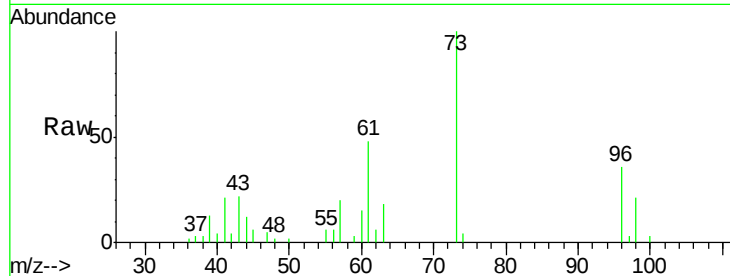
#17
trans-1,2-Dichloroethene
Concen: 2.458 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	108.6	201.8
98	58.6	45.7	84.9

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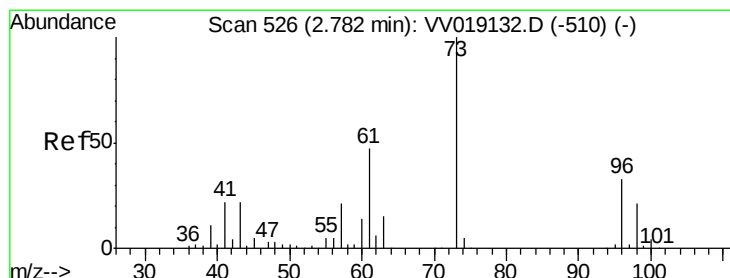
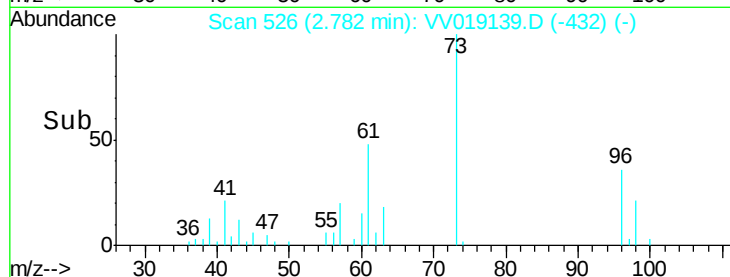
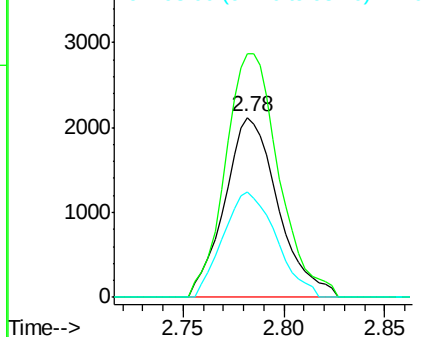


Abundance

Ion 96.00 (95.70 to 96.70): VV0

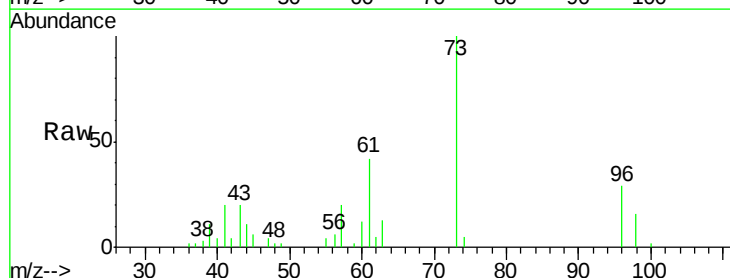
Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18
Methyl tert-butyl Ether
Concen: 2.607 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.6	17.2	25.8
57	20.1	18.5	27.7

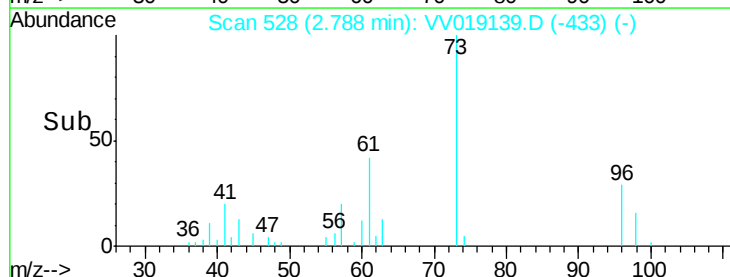
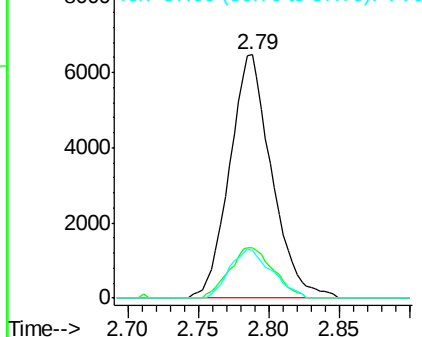


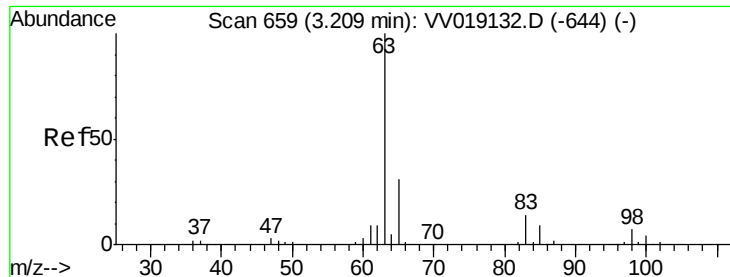
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





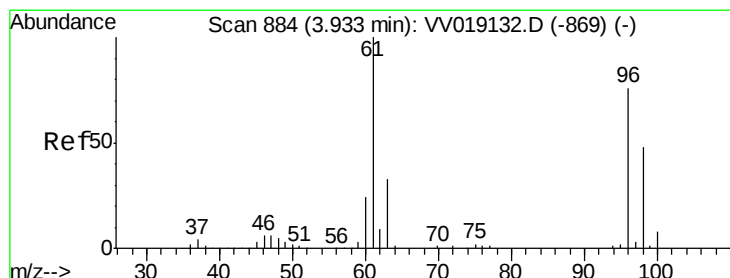
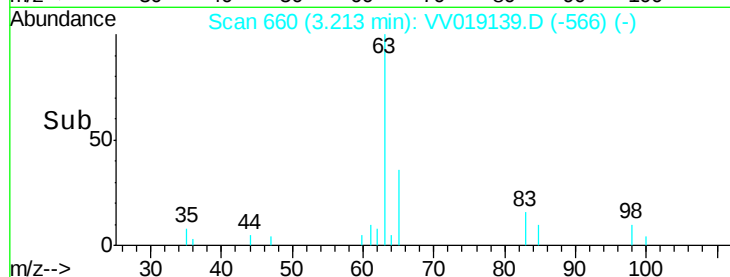
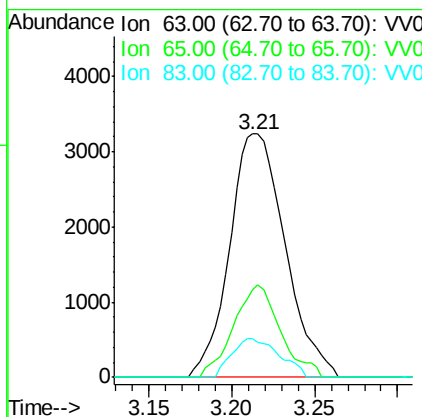
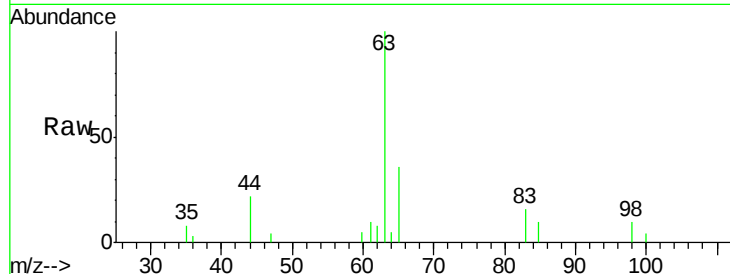
#19
 1,1-Dichloroethane
 Concen: 2.348 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:	63	Resp:	7558
Ion	Ratio	Lower	Upper
63	100		
65	36.1	22.7	42.1
83	15.8	9.0	16.8

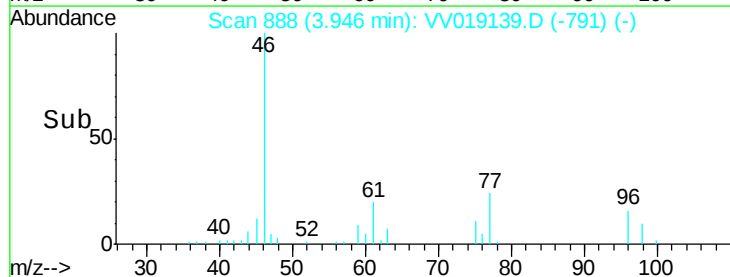
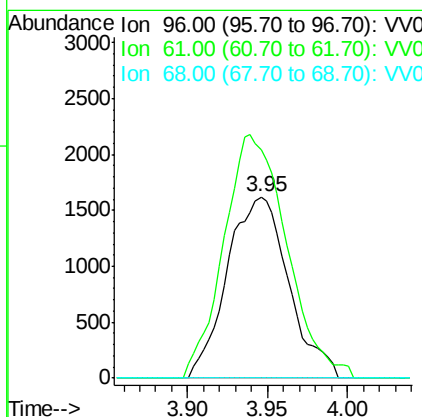
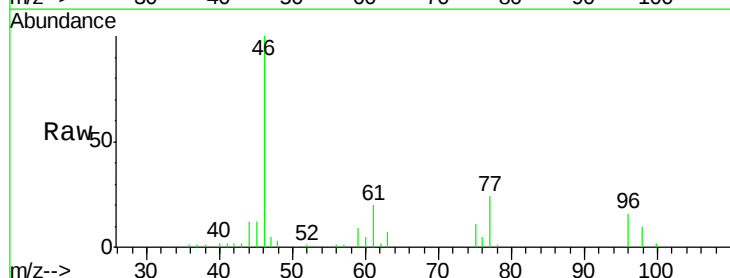
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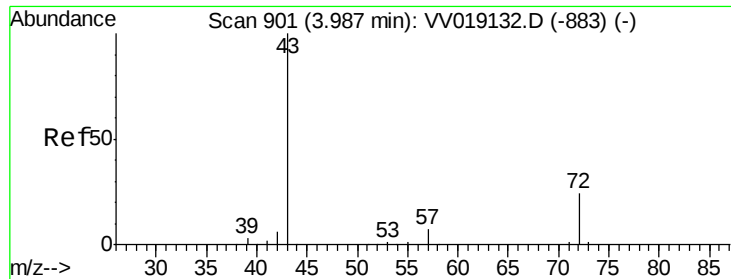
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 2.503 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Tgt Ion:	96	Resp:	4267
Ion	Ratio	Lower	Upper
96	100		
61	126.1	99.4	184.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.536 ug/L m

RT: 4.03 min Scan# 913

Delta R.T. 0.04 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 4533

Ion Ratio Lower Upper

43 100

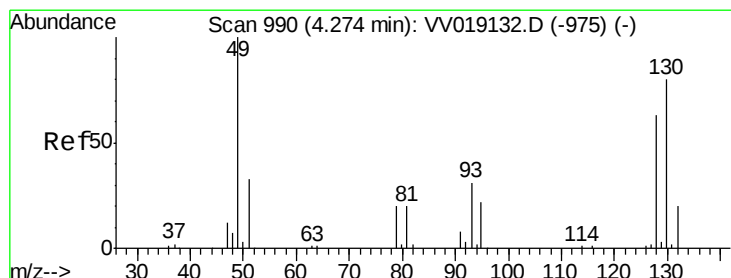
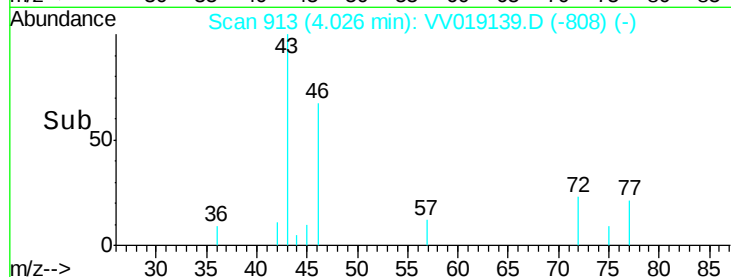
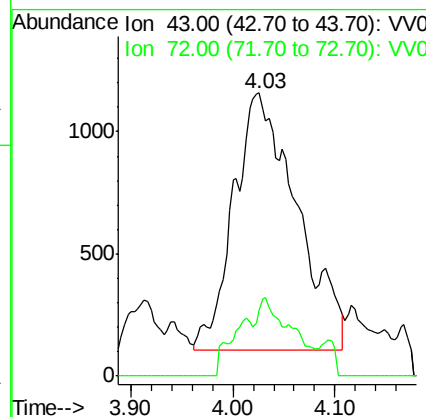
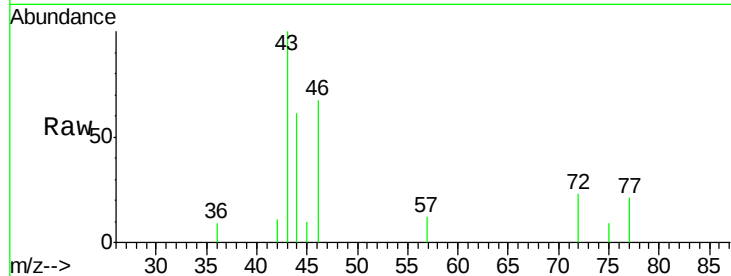
72 3.8 10.8 32.4#

Manual Integrations

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#23

Bromochloromethane

Concen: 2.553 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Tgt Ion: 128 Resp: 2215

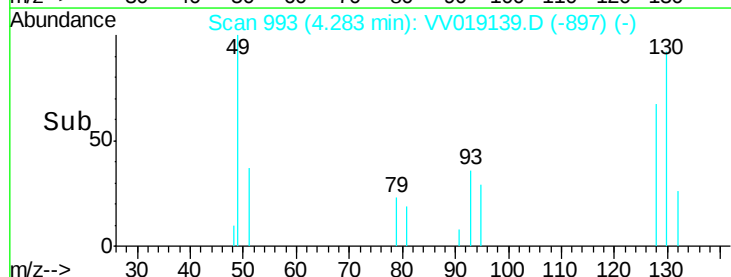
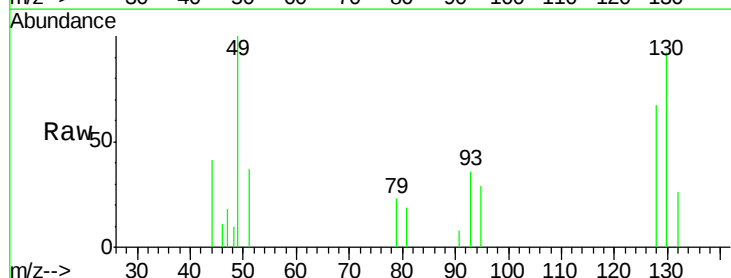
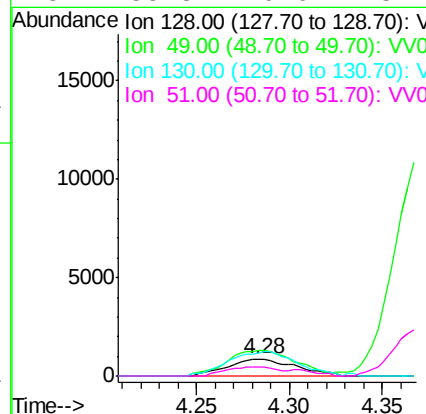
Ion Ratio Lower Upper

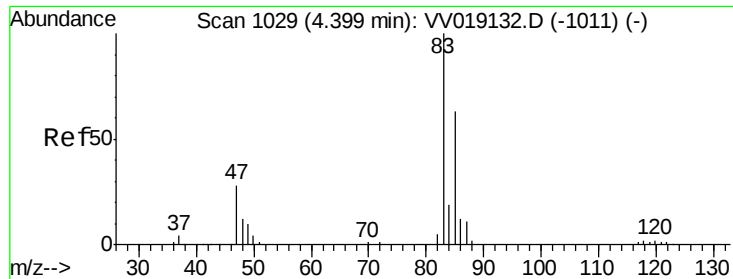
128 100

49 149.4 137.1 254.5

130 138.0 92.0 170.9

51 55.3 49.0 73.4





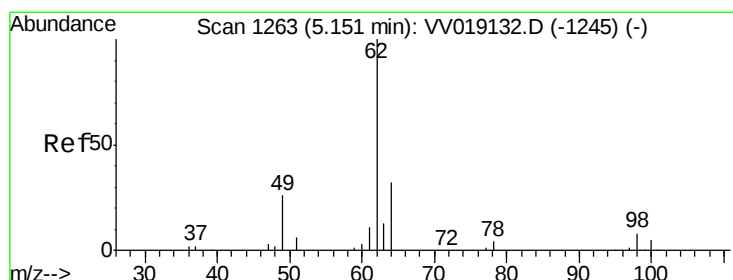
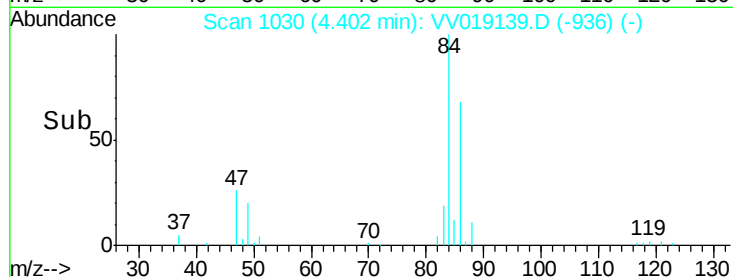
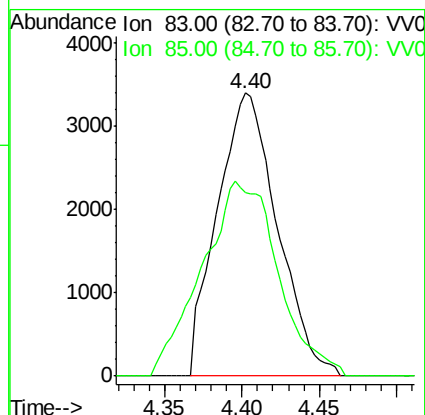
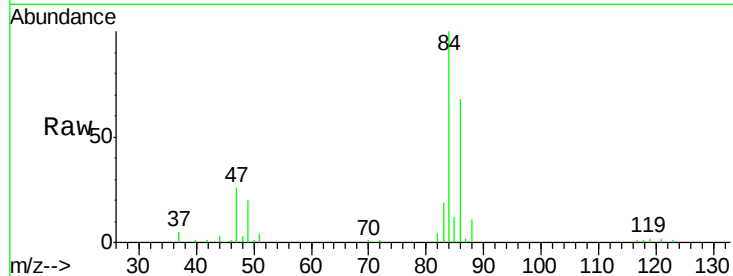
#25
Chloroform
Concen: 2.890 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion: 83 Resp: 9164
Ion Ratio Lower Upper
83 100
85 65.0 44.5 82.7

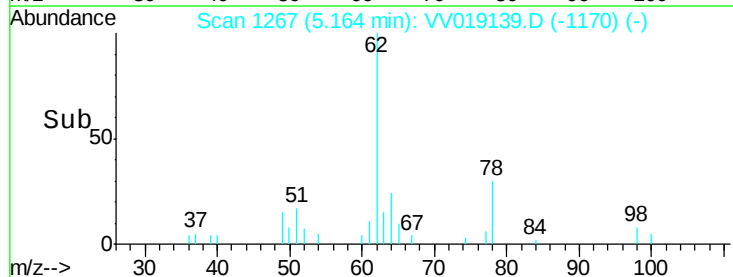
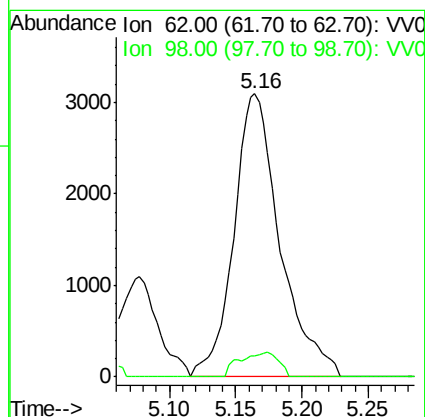
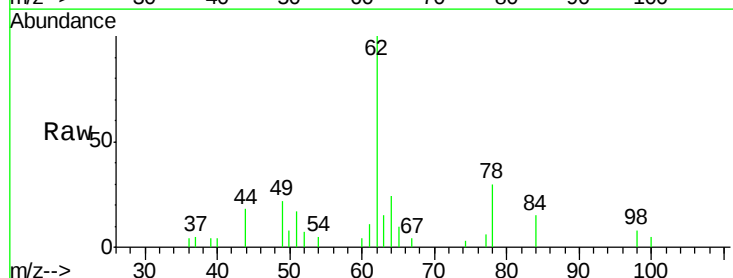
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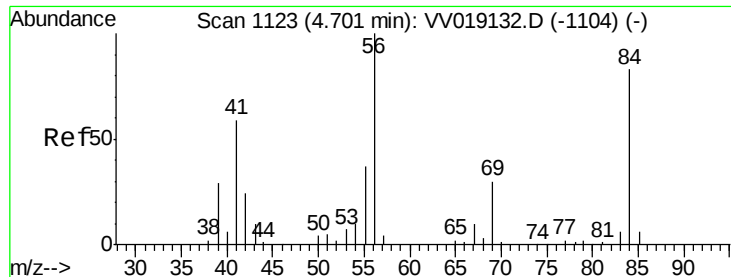
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.850 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion: 62 Resp: 7499
Ion Ratio Lower Upper
62 100
98 7.6 6.9 10.3





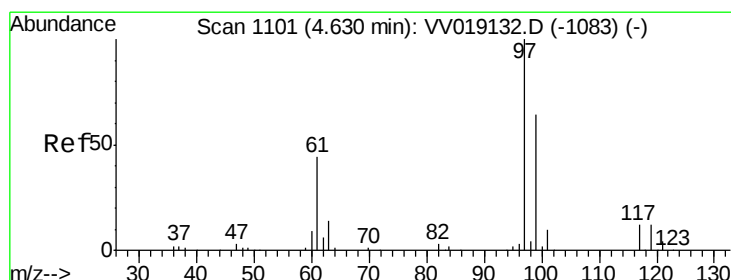
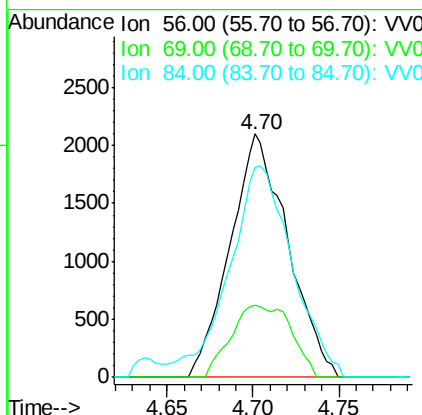
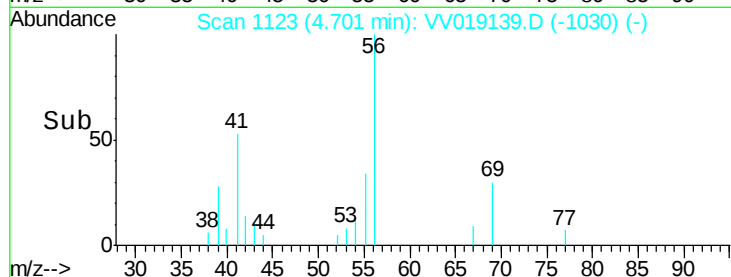
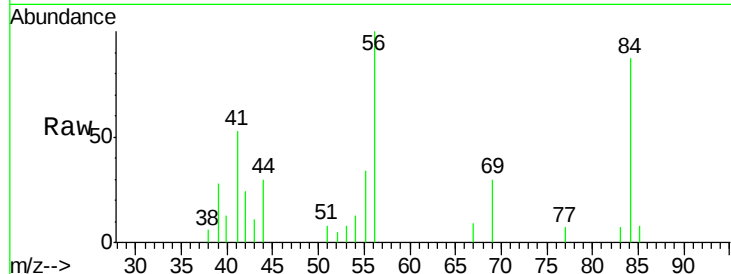
#29
Cyclohexane
Concen: 1.859 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
56	100		
69	20.8	22.7	34.1#
84	92.2	63.5	95.3

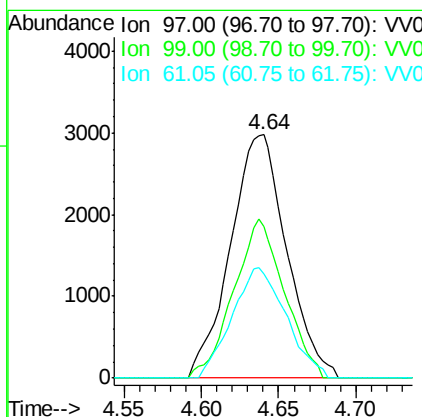
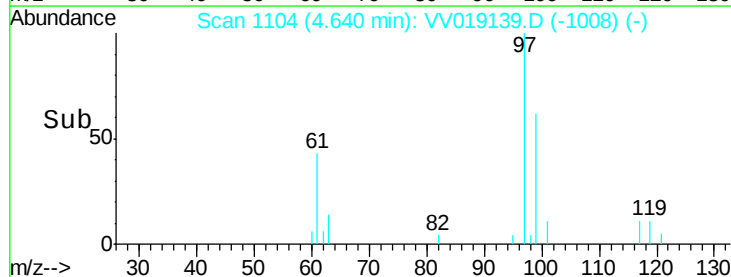
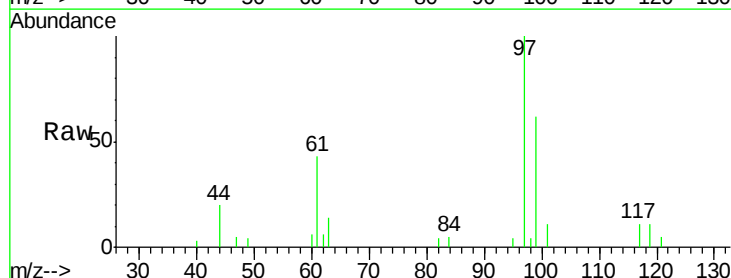
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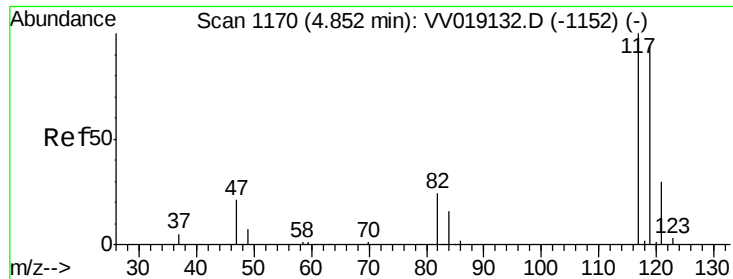
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#30
1,1,1-Trichloroethane
Concen: 2.748 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.9	50.5	75.7
61	43.5	38.1	57.1





#31

Carbon tetrachloride

Concen: 2.594 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion:117 Resp: 6191

Ion Ratio Lower Upper

117 100

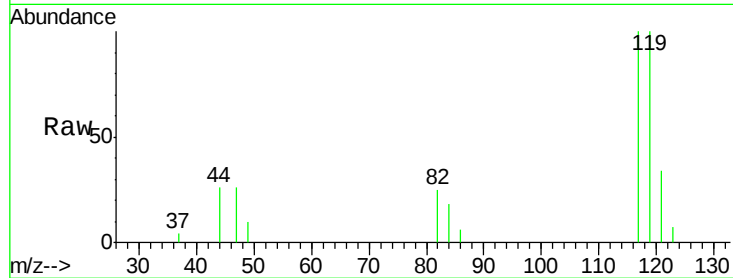
119 98.5 77.2 115.8

Manual Integrations

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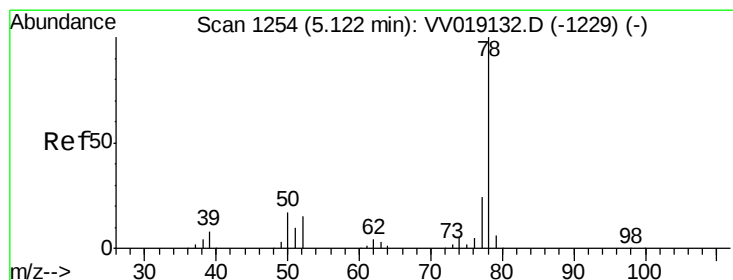
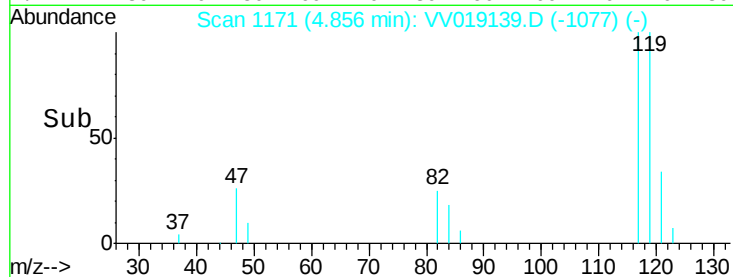
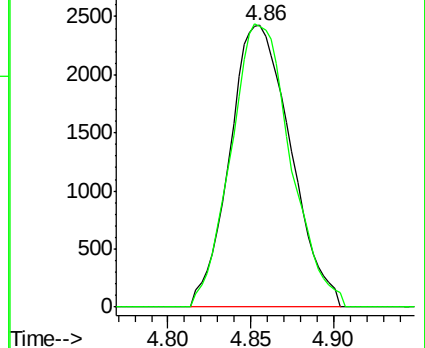
MMDadoda

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.326 ug/L

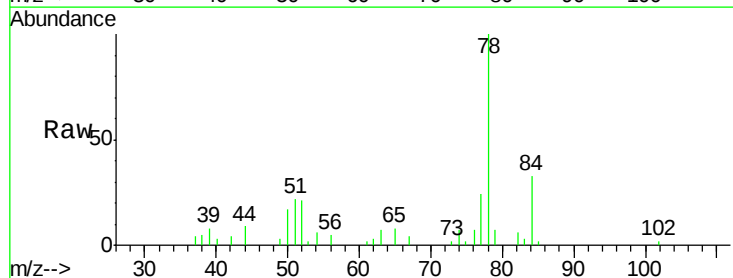
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

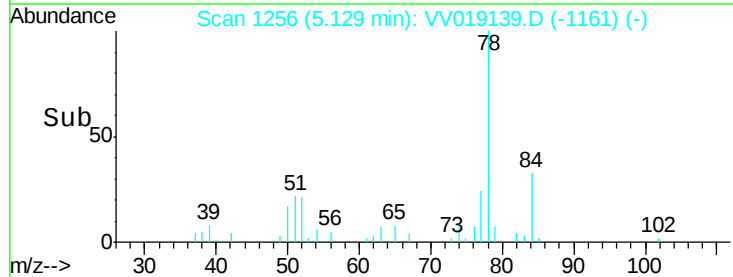
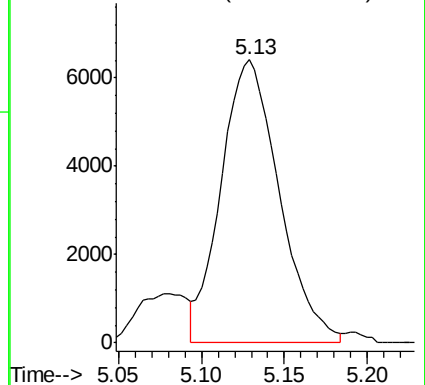
Lab File: VV019139.D

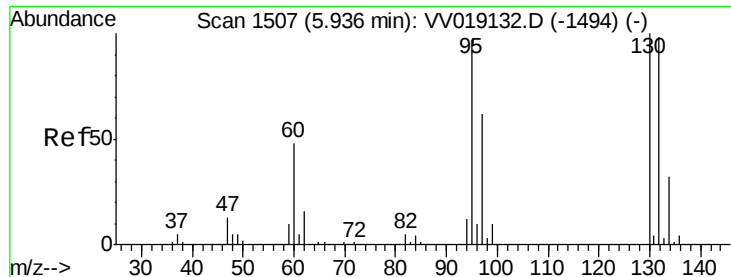
Acq: 28 Oct 2020 17:10

Tgt Ion: 78 Resp: 15659



Abundance Ion 78.00 (77.70 to 78.70): VV0





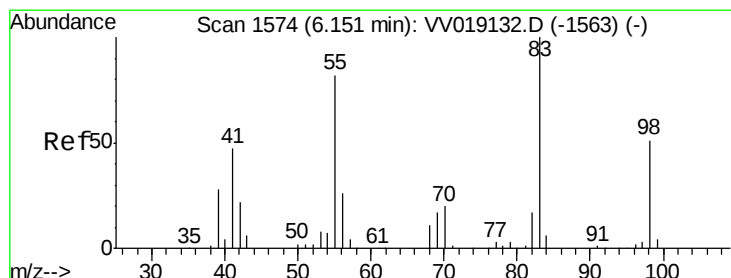
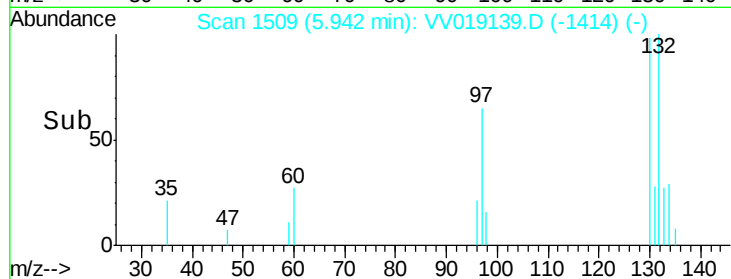
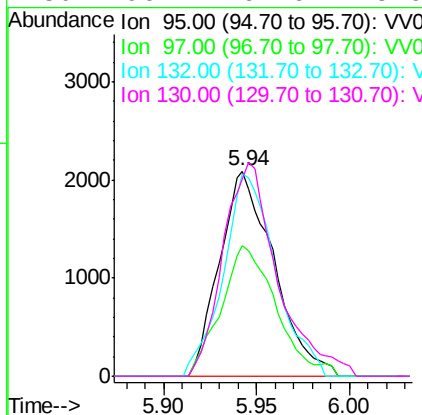
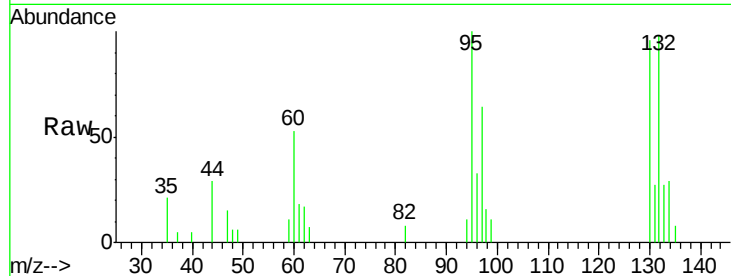
#34
 Trichloroethene
 Concen: 2.499 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:	95	Resp:	4251
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.6	82.8
132	98.3	66.0	122.6
130	96.2	67.6	125.6

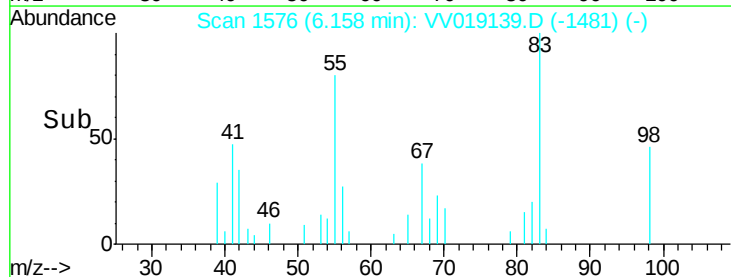
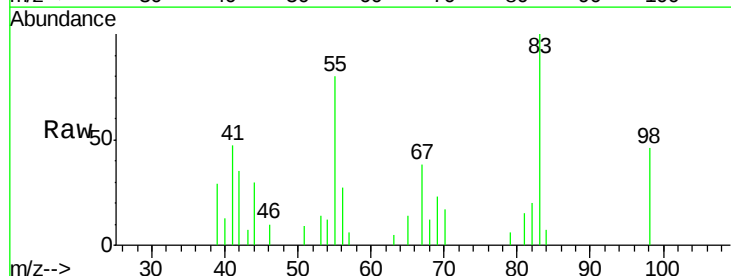
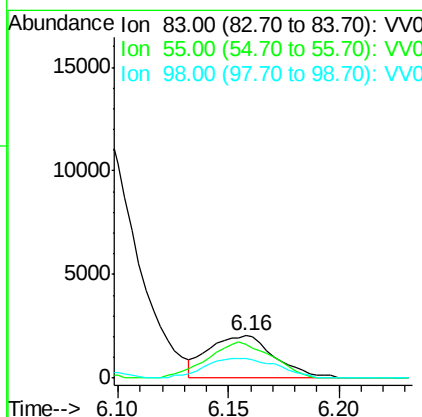
Manual Integrations
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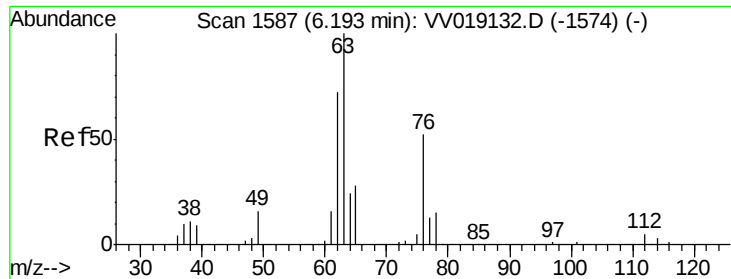
MMDadoda
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#35
 Methylcyclohexane
 Concen: 1.827 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Tgt Ion:	83	Resp:	4251
Ion	Ratio	Lower	Upper
83	100		
55	82.3	68.1	102.1
98	50.5	37.9	56.9





#37

1,2-Dichloropropane

Concen: 2.177 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 63 Resp: 4034

Ion Ratio Lower Upper

63 100

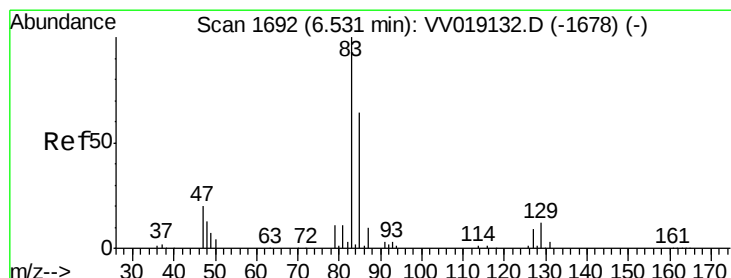
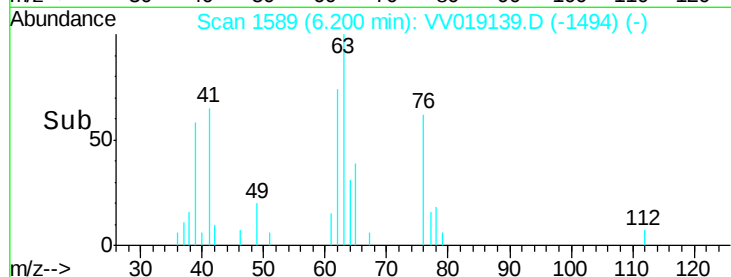
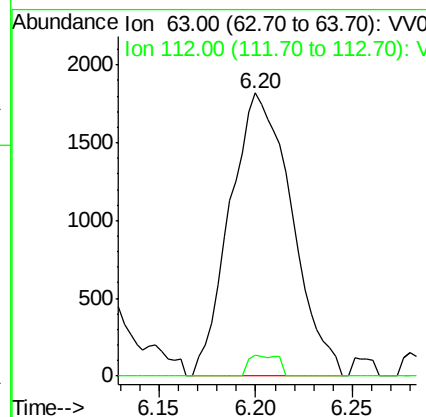
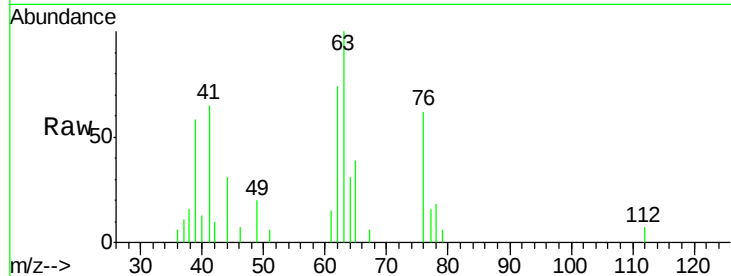
112 2.3 3.5 5.3#

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#38

Bromodichloromethane

Concen: 2.480 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

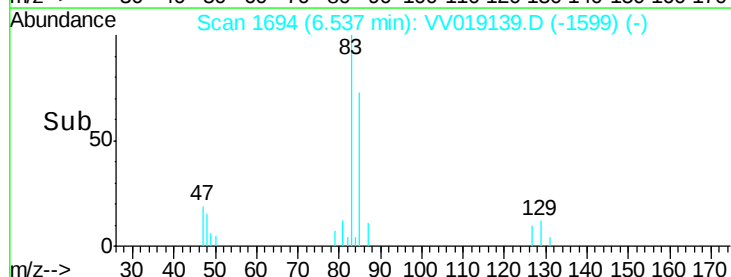
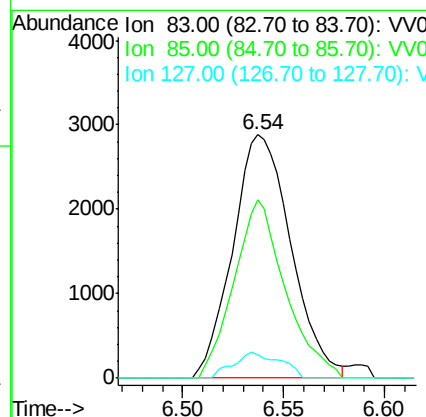
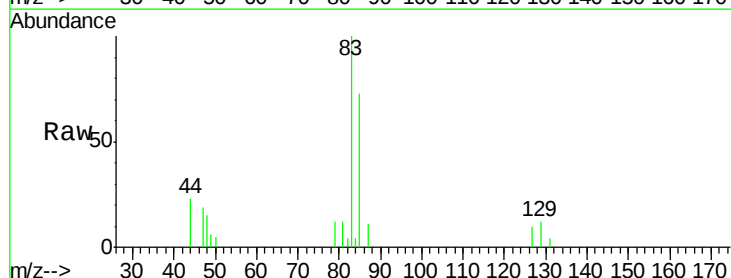
Tgt Ion: 83 Resp: 5814

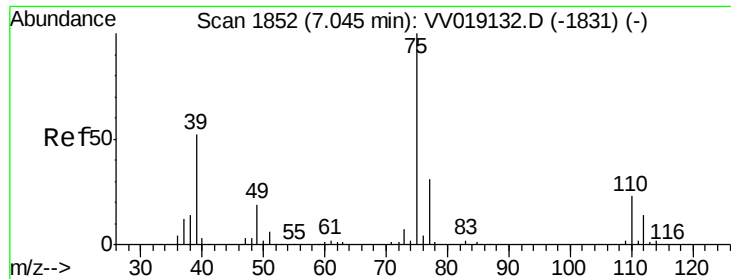
Ion Ratio Lower Upper

83 100

85 73.4 44.9 83.3

127 9.6 7.0 10.4





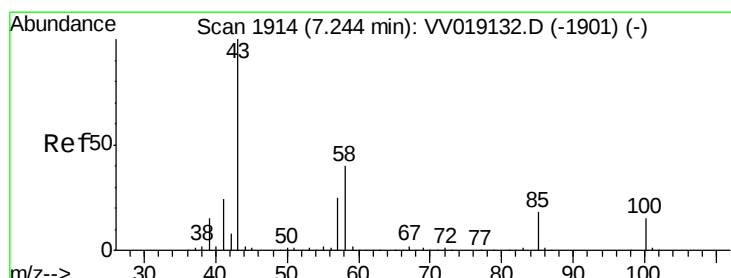
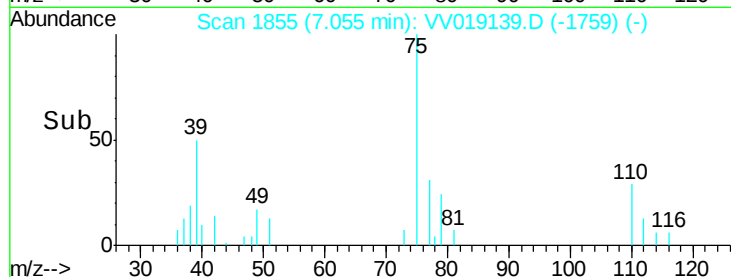
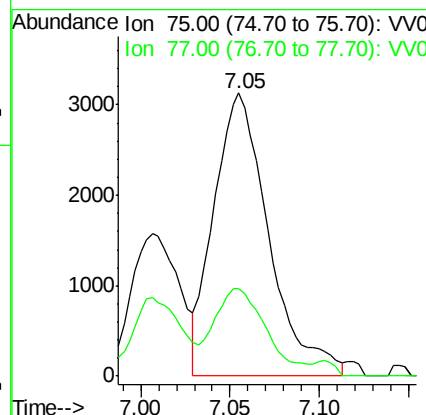
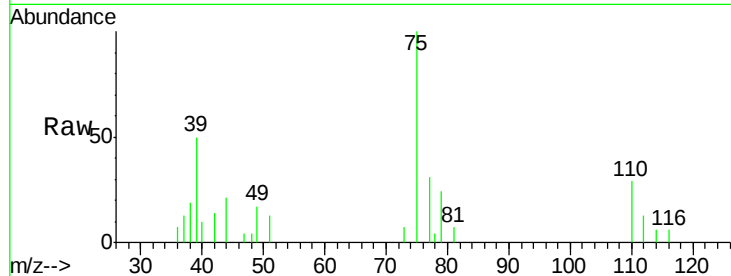
#39
 cis-1,3-Dichloropropene
 Concen: 2.447 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion: 75 Resp: 6702
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.1 41.1

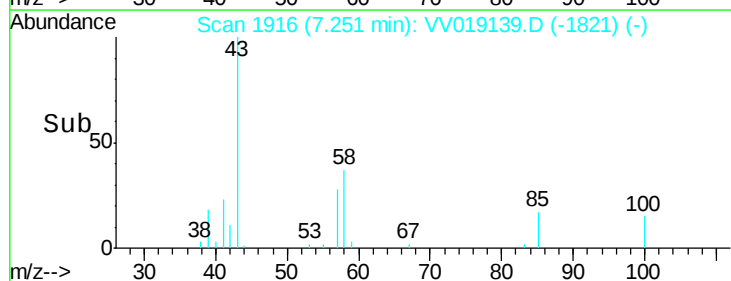
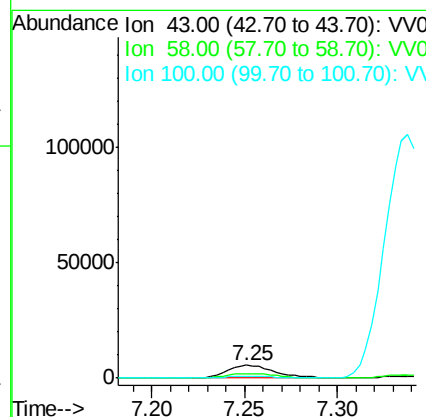
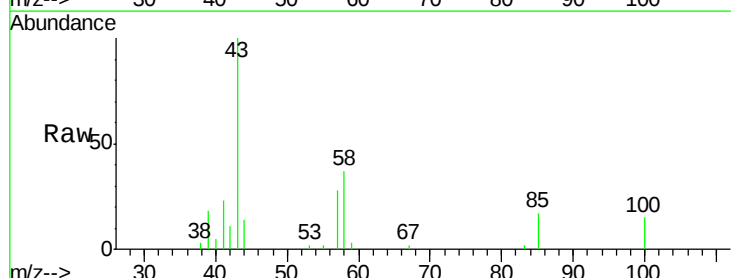
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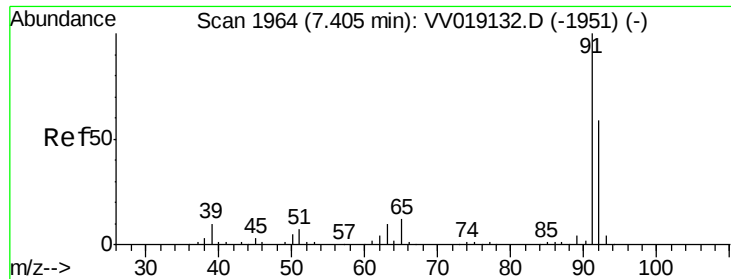
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 4.016 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Tgt Ion: 43 Resp: 10040
 Ion Ratio Lower Upper
 43 100
 58 39.3 29.6 44.4
 100 16.0 10.9 16.3





#42

Toluene

Concen: 2.524 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampled :

MDL04

Tot Ion: 91 Resp: 17436

Ion Ratio Lower Upper

91 100

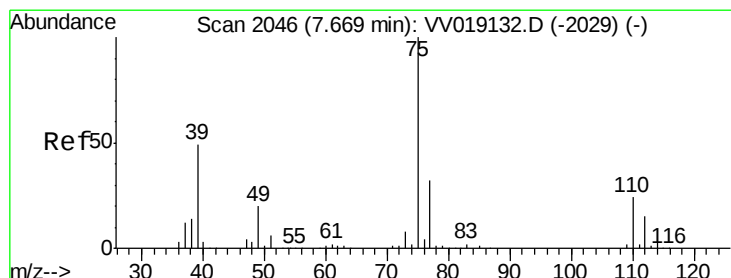
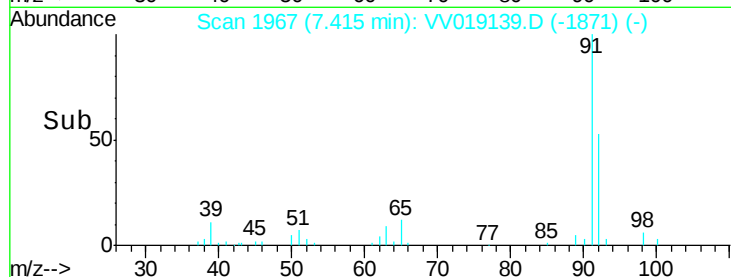
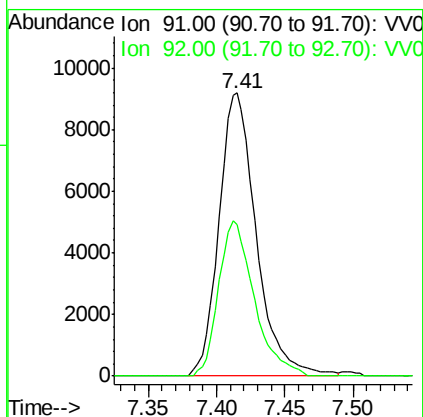
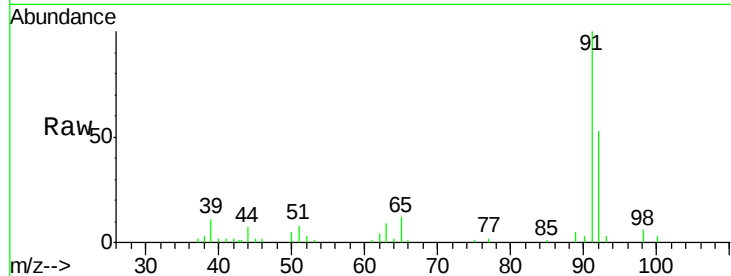
92 53.4 40.9 76.0

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#44

trans-1,3-Dichloropropene

Concen: 2.411 ug/L m

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV019139.D

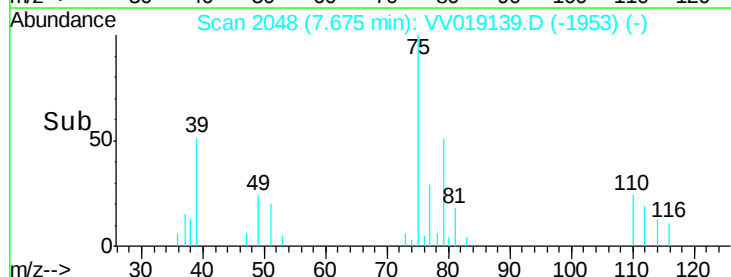
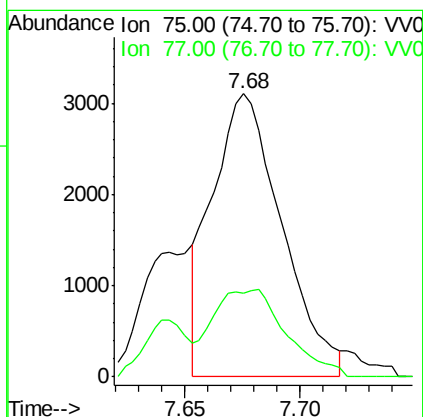
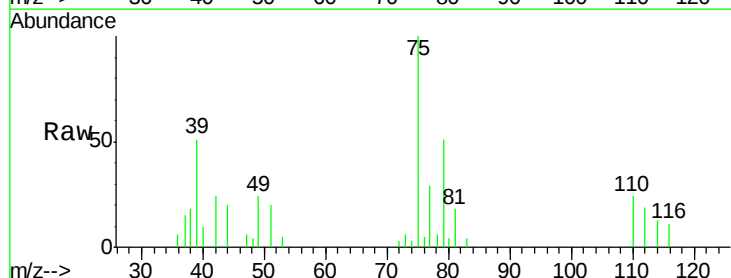
Acq: 28 Oct 2020 17:10

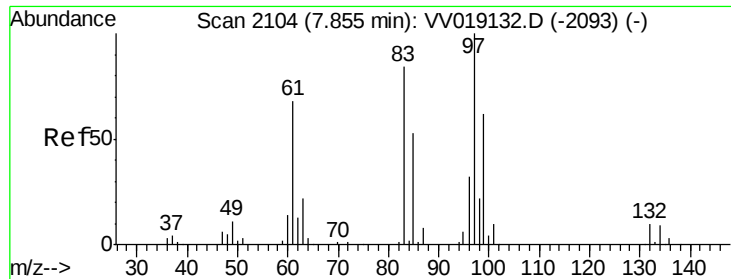
Tgt Ion: 75 Resp: 6552

Ion Ratio Lower Upper

75 100

77 29.4 21.5 39.9





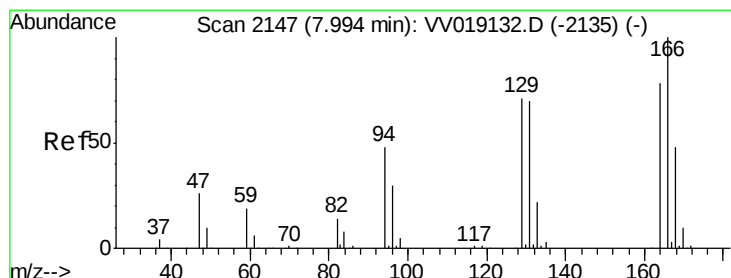
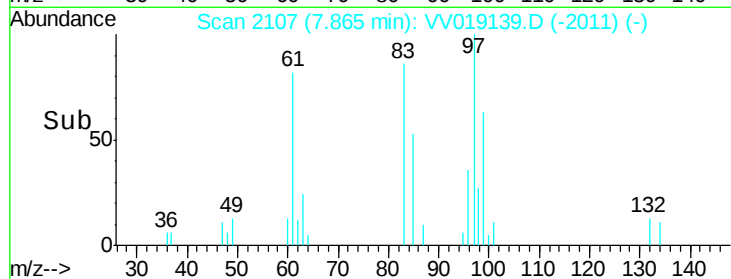
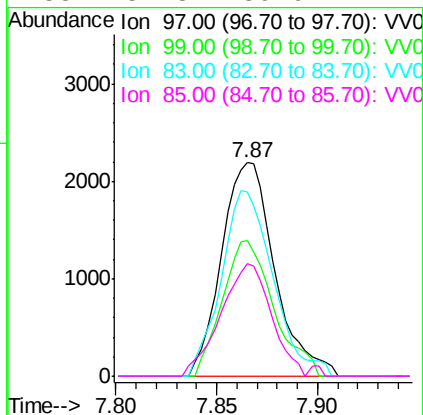
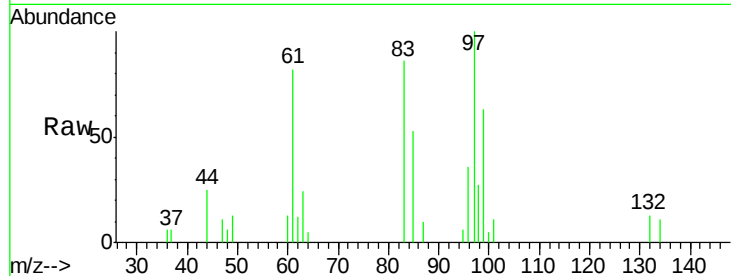
#45
1,1,2-Trichloroethane
Concen: 2.466 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:	97	Resp:	4036
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.5	80.9
83	86.5	62.2	115.4
85	52.8	39.9	74.1

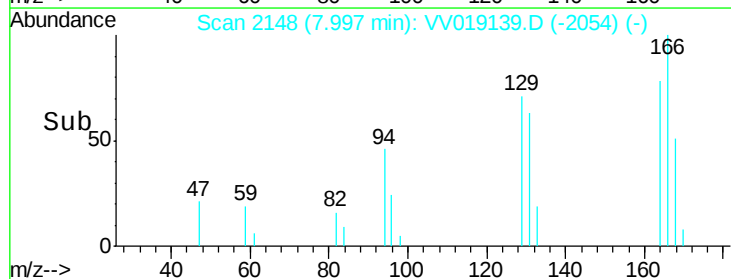
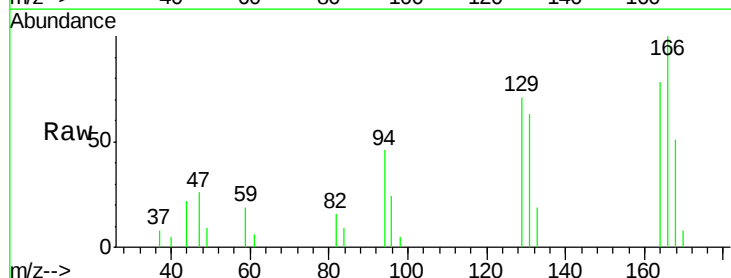
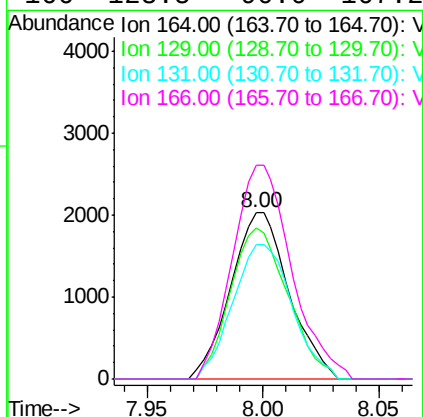
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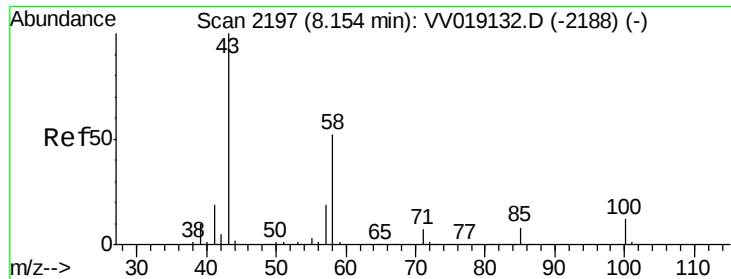
MMDadoda
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#46
Tetrachloroethene
Concen: 2.720 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion:	164	Resp:	3550
Ion	Ratio	Lower	Upper
164	100		
129	90.8	65.5	121.6
131	80.8	62.4	115.8
166	128.5	90.0	167.2





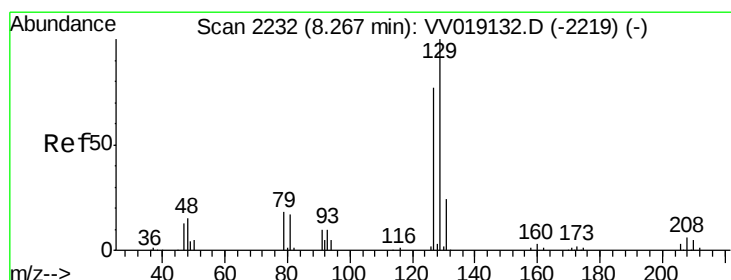
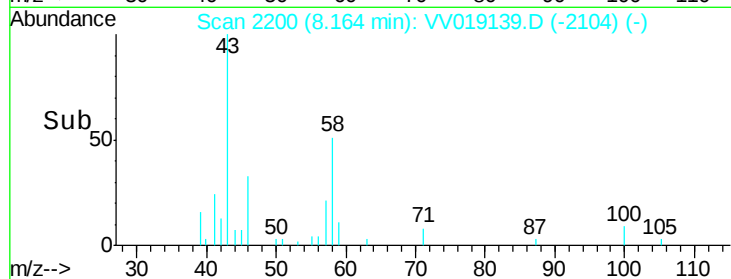
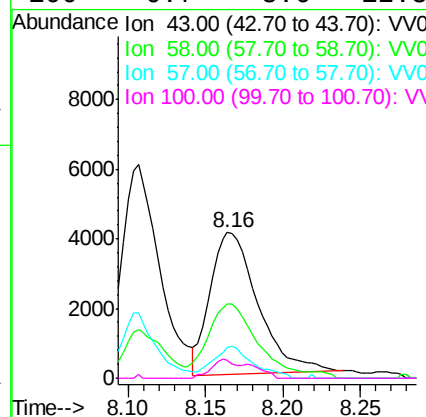
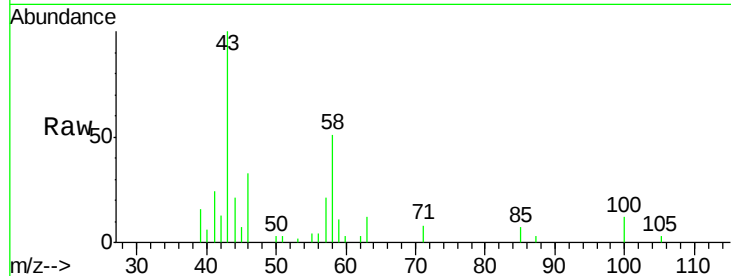
#48
2-Hexanone
Concen: 4.567 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.2	41.1	61.7
57	18.8	14.7	22.1
100	6.7	8.6	12.8

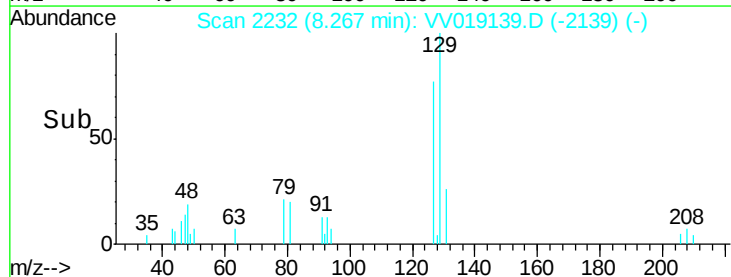
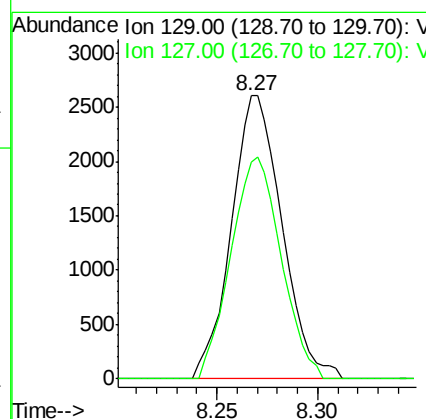
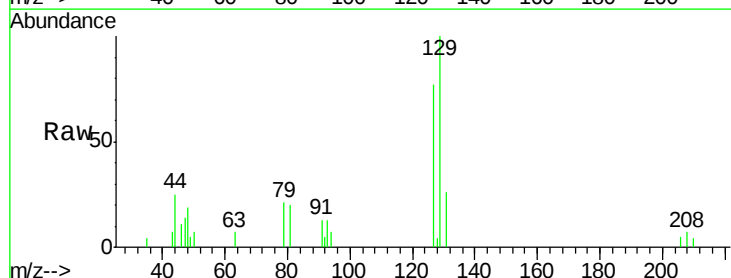
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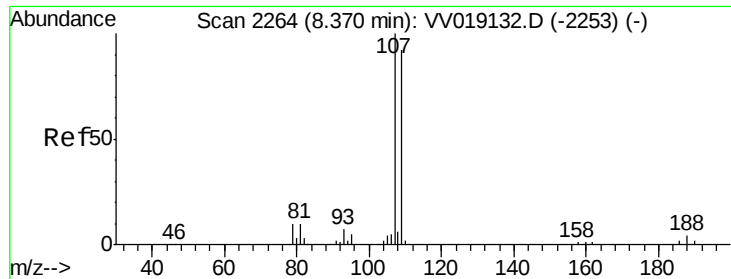
MMDadoda
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#49
Dibromochloromethane
Concen: 2.561 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.7	99.7





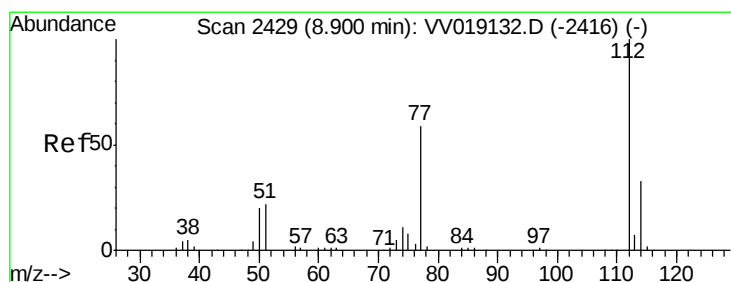
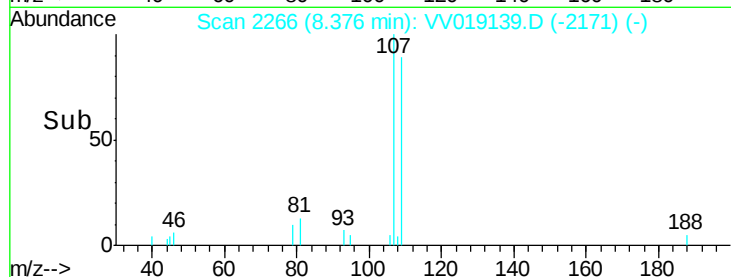
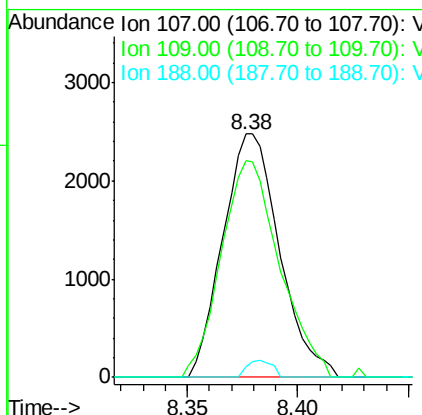
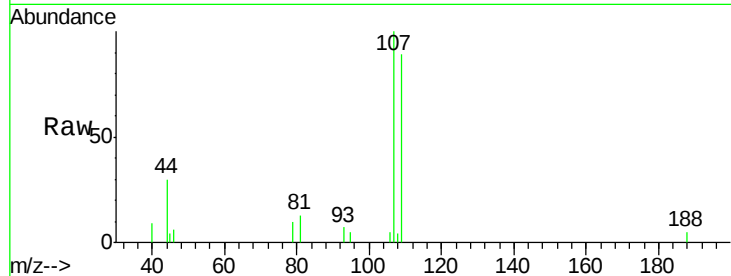
#50
1,2-Dibromoethane
Concen: 2.604 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.1	66.1	122.7
188	4.5	3.2	4.8

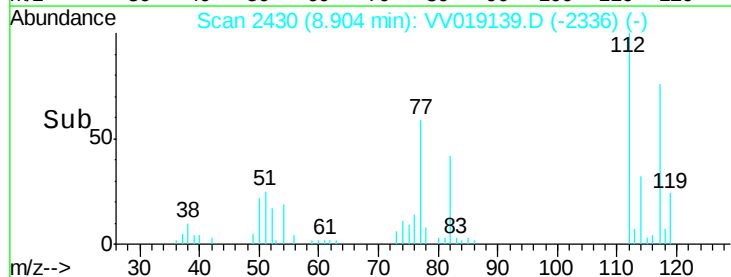
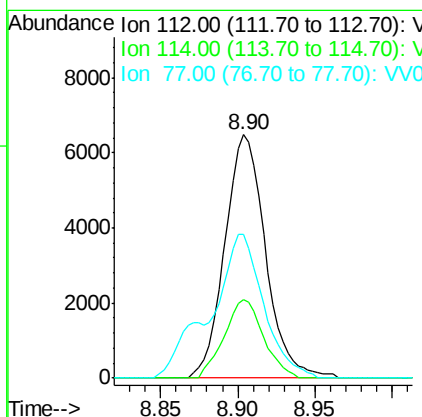
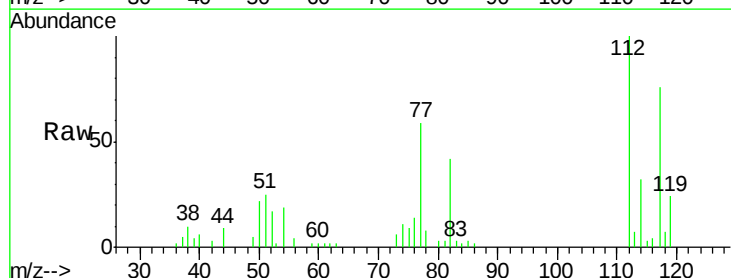
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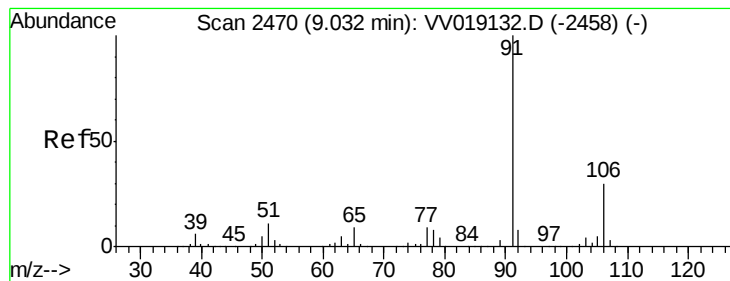
MMDadoda
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#51
Chlorobenzene
Concen: 2.674 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.2	41.2
77	59.0	49.1	73.7





#52

Ethylbenzene

Concen: 2.338 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 17467

Ion Ratio Lower Upper

91 100

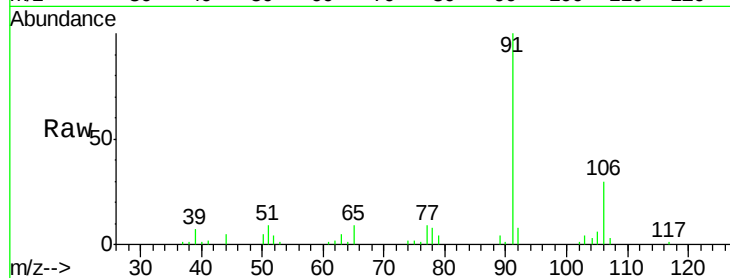
106 30.1 20.9 38.7

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Abundance Ion 91.00 (90.70 to 91.70): VV019139.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019139.D (-2377) (-)

9.04

12000

10000

8000

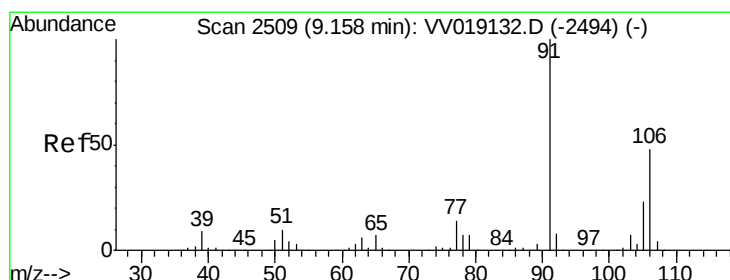
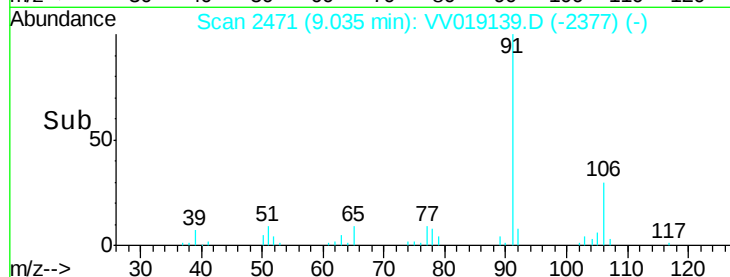
6000

4000

2000

0

Time-->



#53

m,p-Xylene

Concen: 2.258 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019139.D

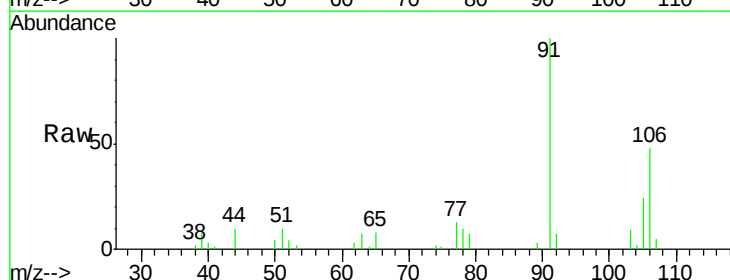
Acq: 28 Oct 2020 17:10

Tgt Ion: 106 Resp: 6175

Ion Ratio Lower Upper

106 100

91 209.8 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019139.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019139.D (-2416) (-)

9.16

8000

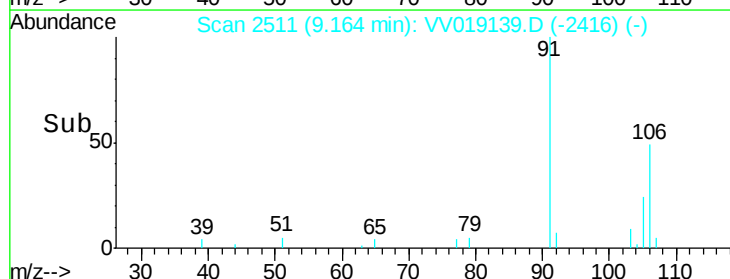
6000

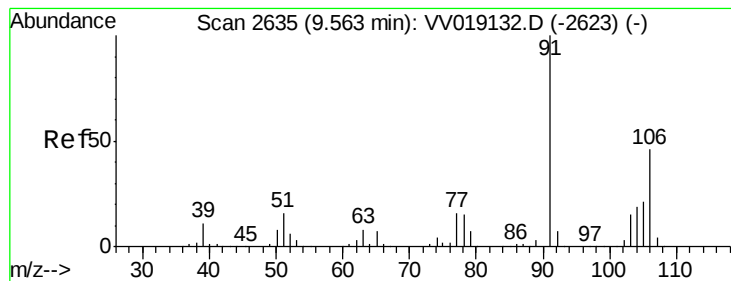
4000

2000

0

Time-->





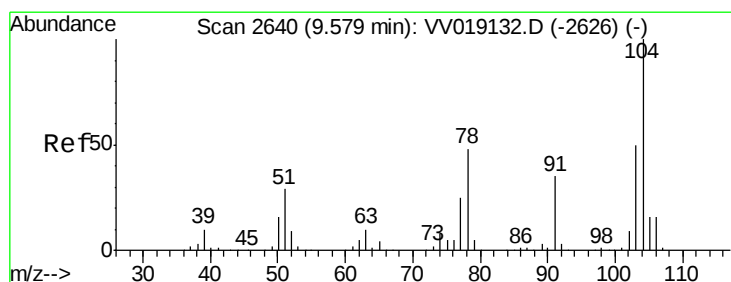
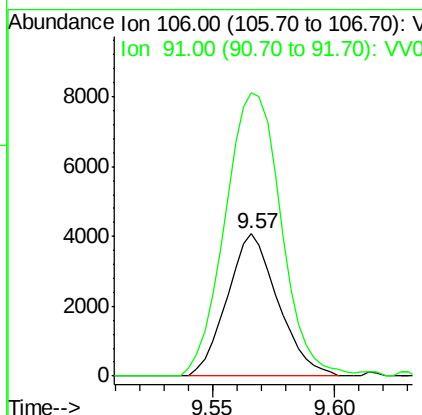
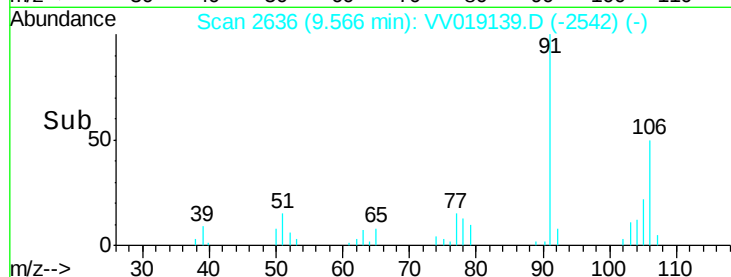
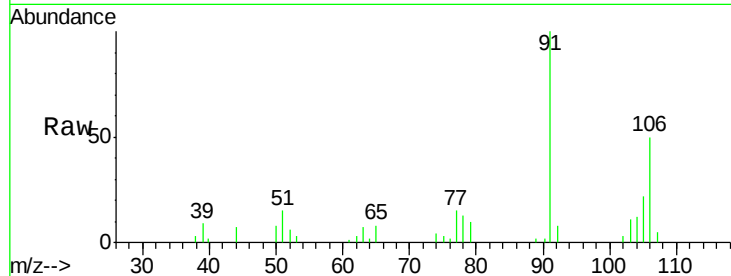
#54
o-xylene
Concen: 2.241 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:106 Resp: 5902
Ion Ratio Lower Upper
106 100
91 198.9 154.3 286.5

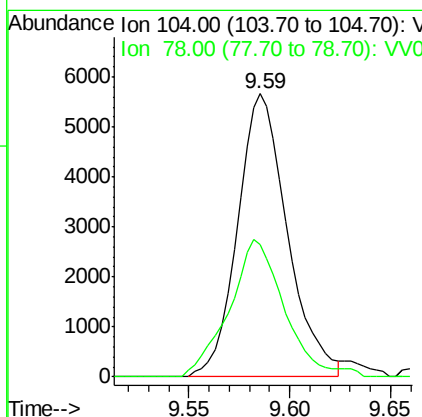
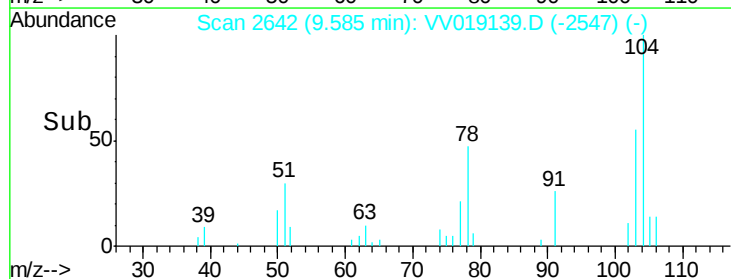
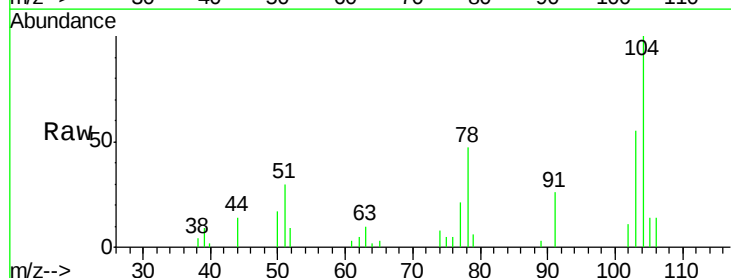
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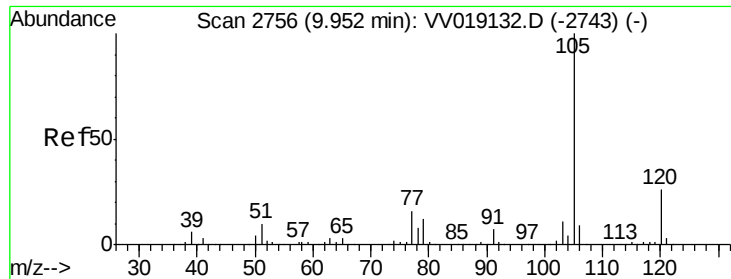
MMDadoda
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#55
Styrene
Concen: 2.090 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV019139.D
Acq: 28 Oct 2020 17:10

Tgt Ion:104 Resp: 9765
Ion Ratio Lower Upper
104 100
78 47.0 33.2 61.7





#56

Isopropylbenzene

Concen: 2.267 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

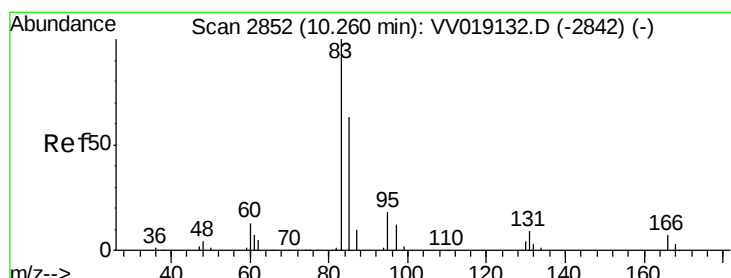
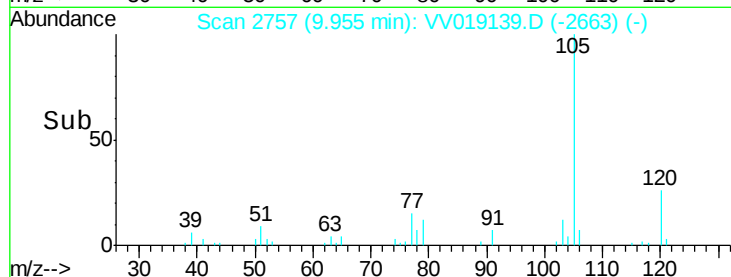
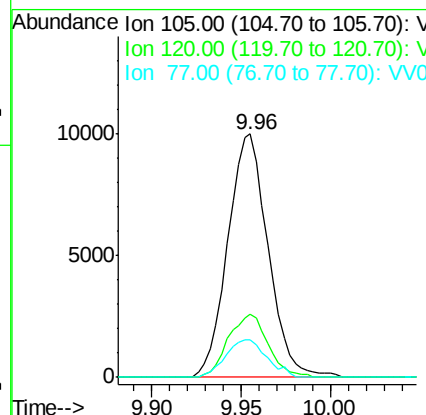
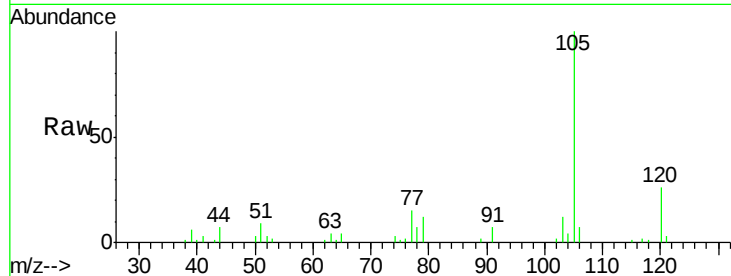
ClientSampleId :

MDL04

Tot Ion:	105	Resp:	15700
Ion Ratio	Lower	Upper	
105	100		
120	25.5	20.6	31.0
77	15.7	13.4	20.0

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10/29/2020 2:58:22 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.279 ug/L

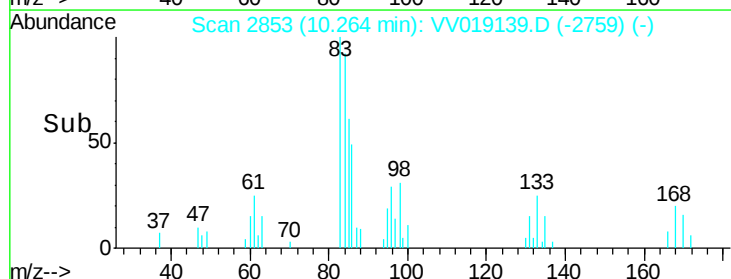
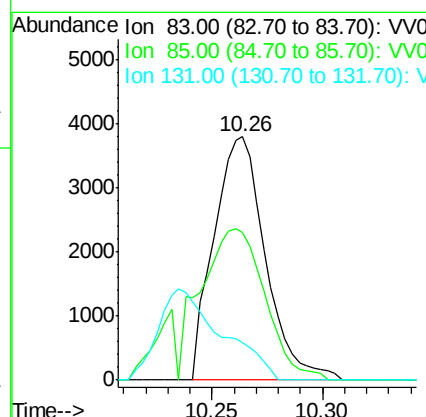
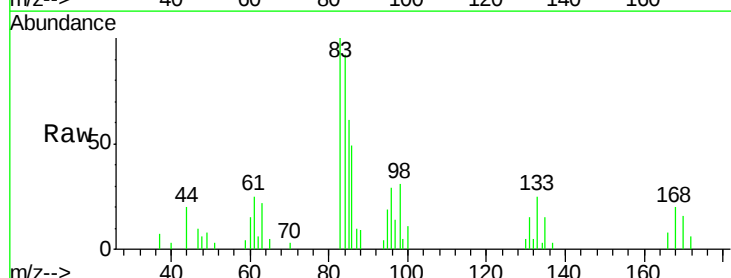
RT: 10.26 min Scan# 2853

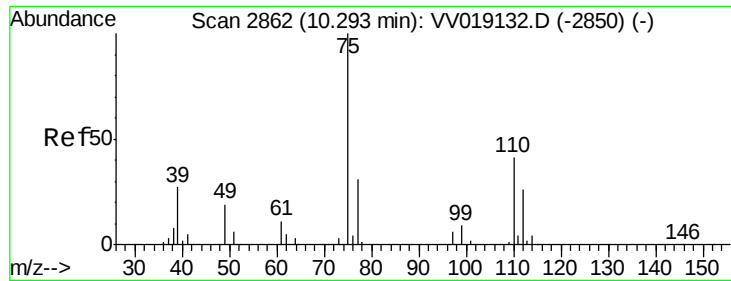
Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Tgt Ion:	83	Resp:	6137
Ion Ratio	Lower	Upper	
83	100		
85	60.5	44.2	82.2
131	15.2	7.4	11.2#





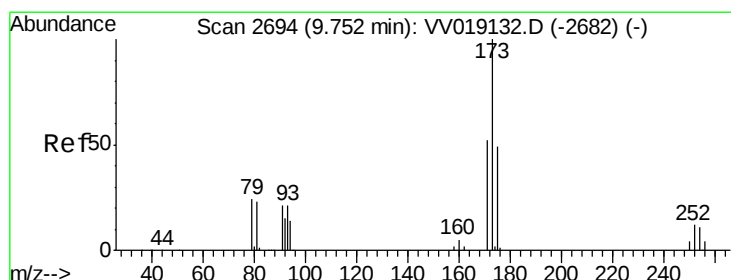
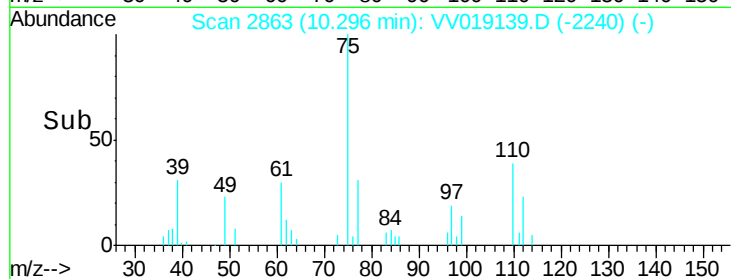
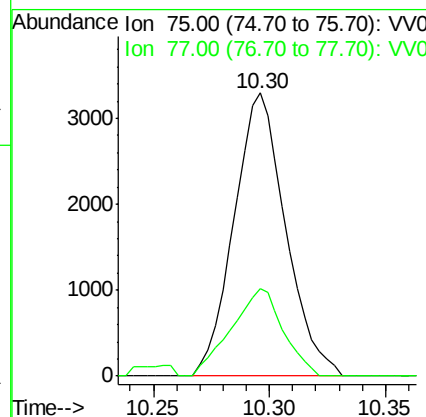
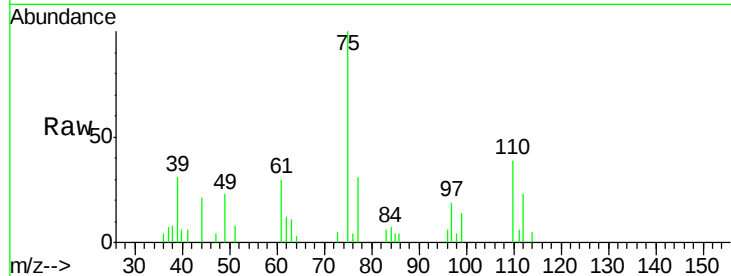
#59
 1,2,3-Trichloropropane
 Concen: 2.352 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 5096
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.9 38.9

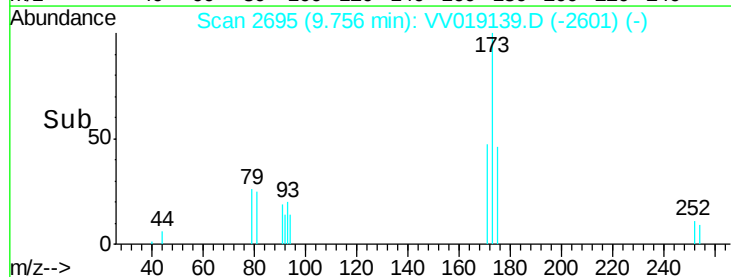
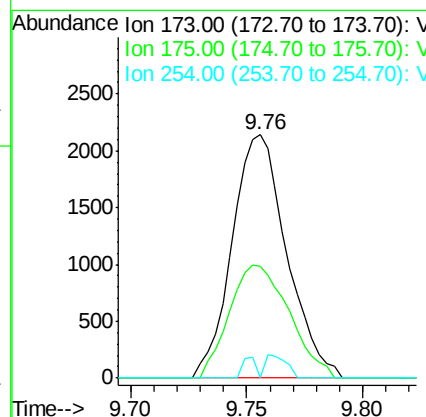
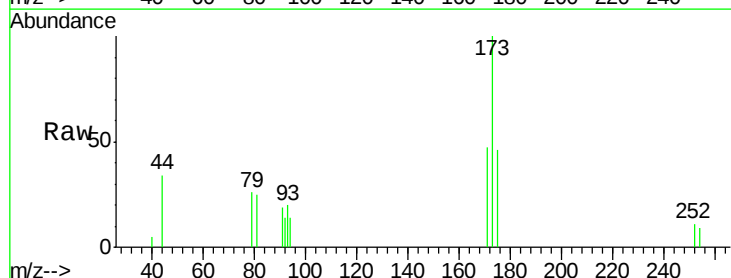
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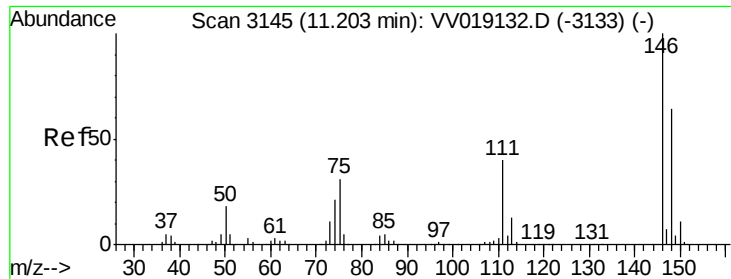
MMDadoda
 10/29/2020 2:58:22 PM



#61
 Bromoform
 Concen: 2.718 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Tgt Ion: 173 Resp: 3497
 Ion Ratio Lower Upper
 173 100
 175 0.0 38.3 57.5#
 254 3.8 8.3 12.5#





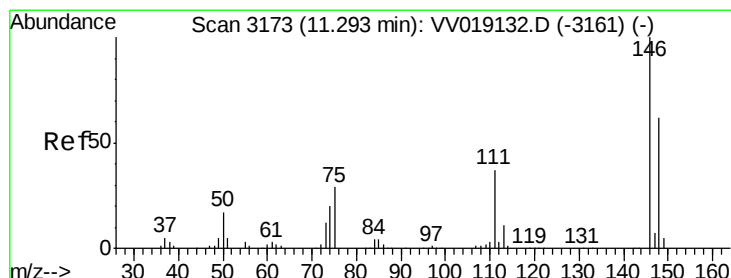
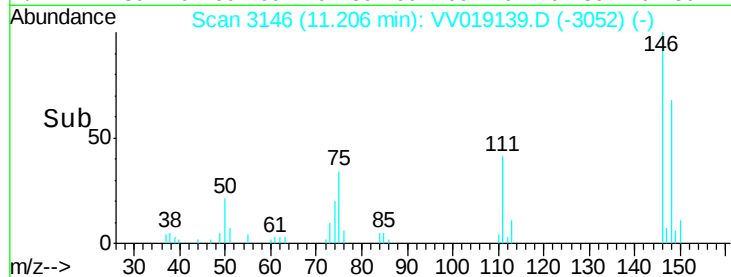
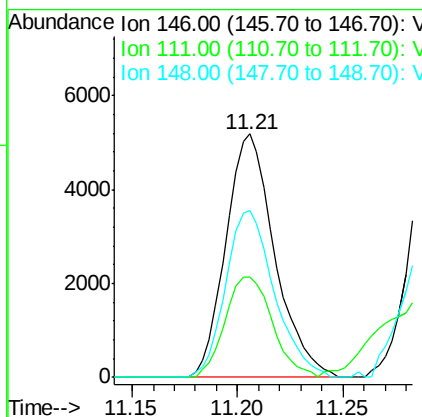
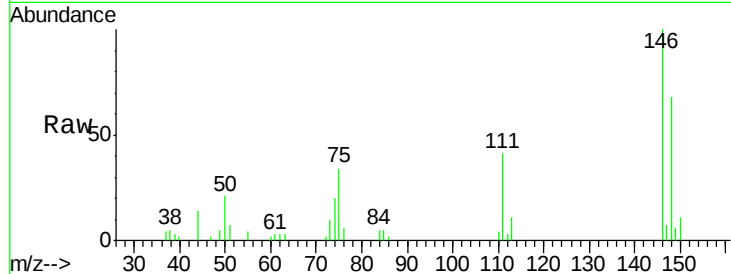
#62
 1,3-Dichlorobenzene
 Concen: 2.432 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	28.8	53.4
148	68.3	44.5	82.7

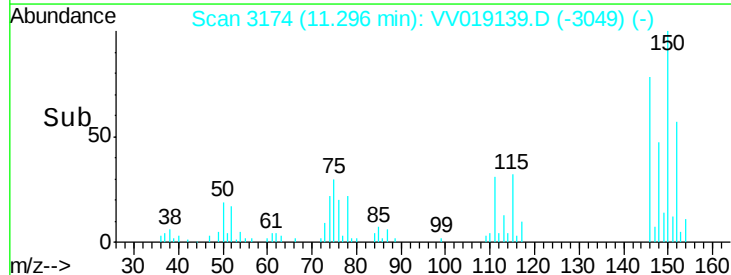
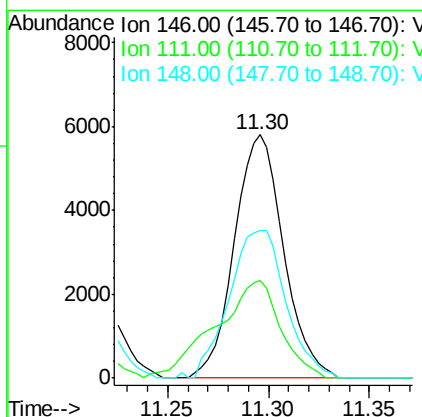
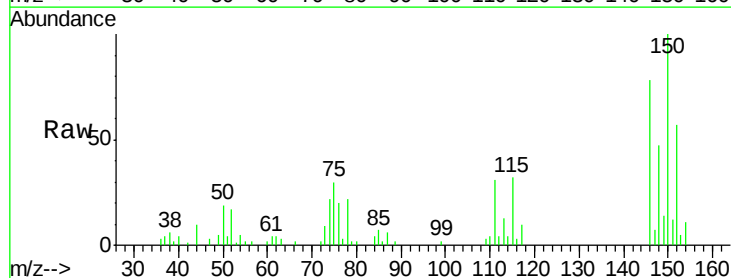
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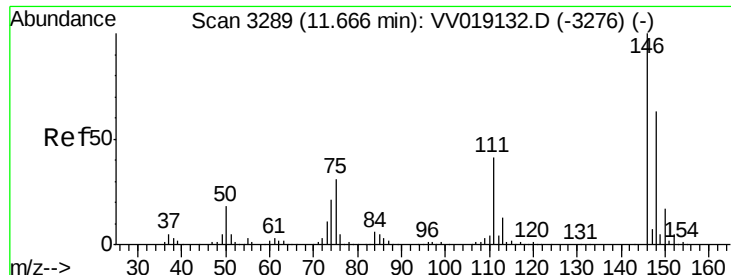
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#63
 1,4-Dichlorobenzene
 Concen: 2.771 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	27.8	51.6
148	60.9	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 2.783 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

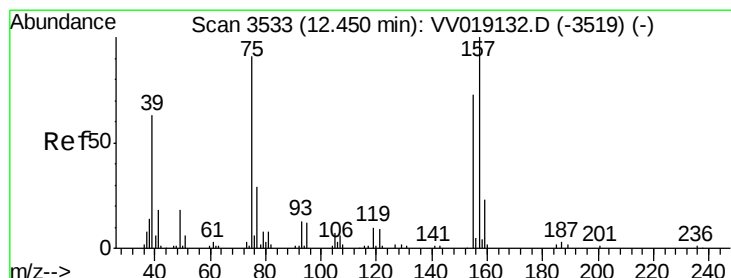
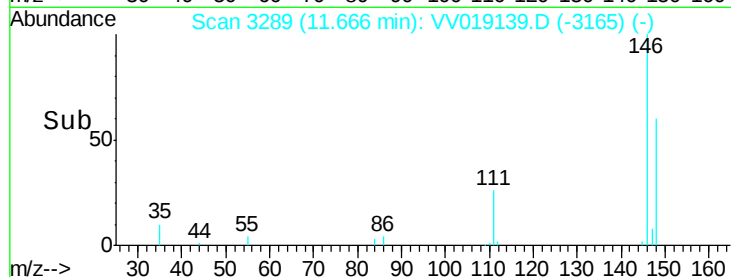
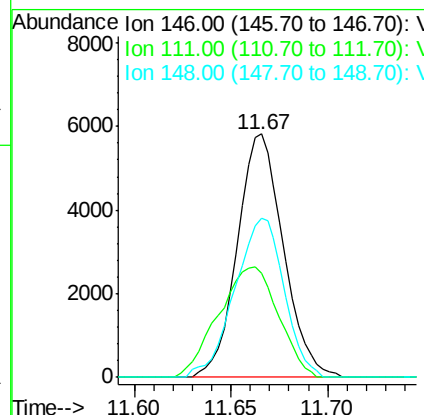
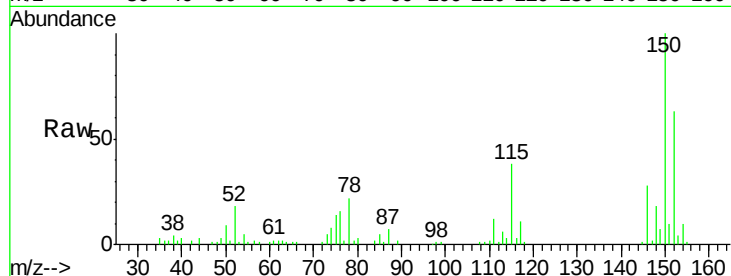
ClientSampleId :

MDL04

Tot Ion:	146	Resp:	9620
Ion Ratio	Lower	Upper	
146	100		
111	43.0	33.3	49.9
148	65.6	51.1	76.7

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#66

1,2-Dibromo-3-chloropropane

Concen: 2.337 ug/L

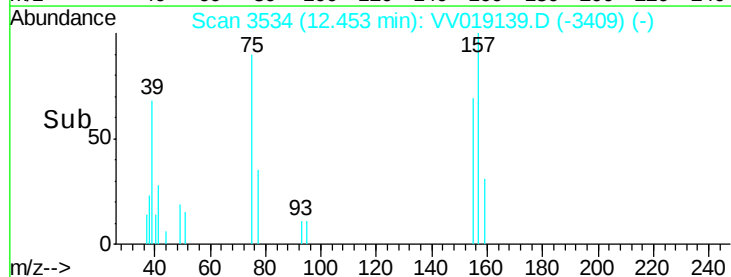
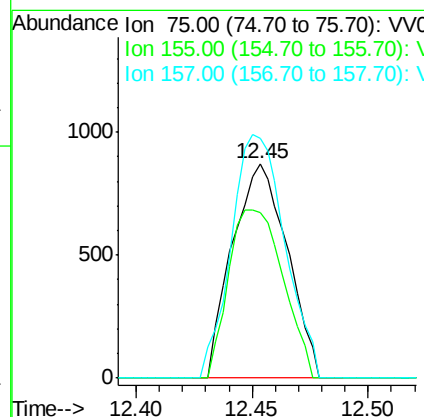
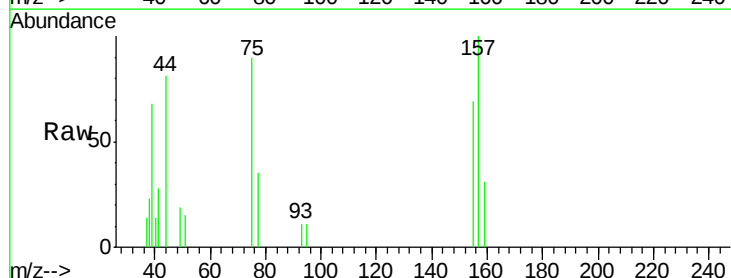
RT: 12.45 min Scan# 3534

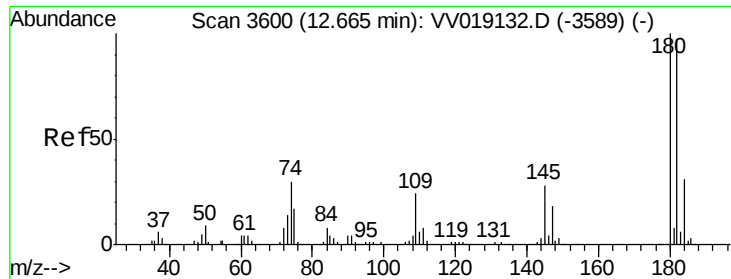
Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Tgt Ion:	75	Resp:	1427
Ion Ratio	Lower	Upper	
75	100		
155	77.0	62.2	93.4
157	111.7	79.9	119.9





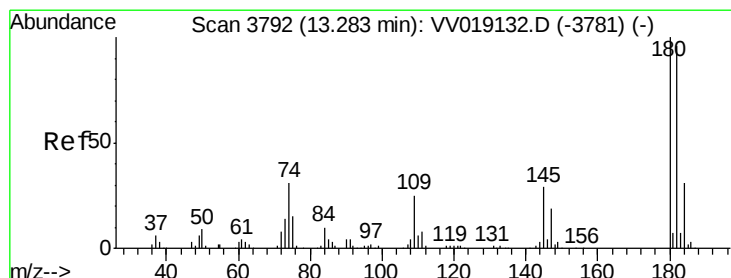
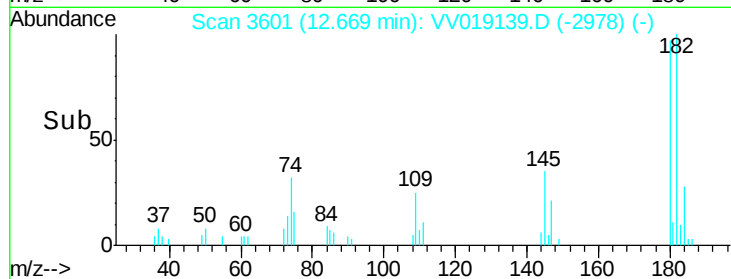
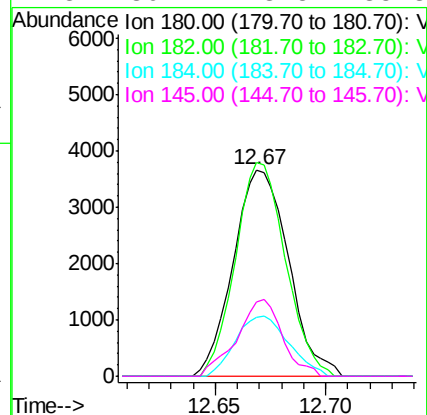
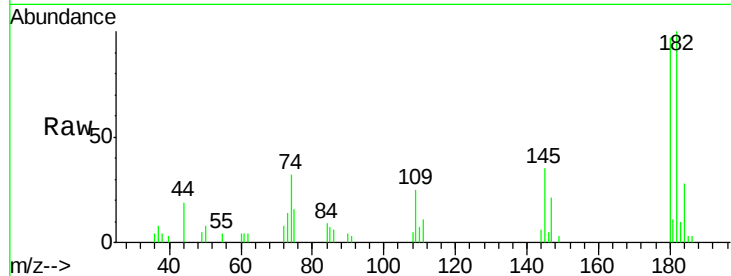
#67
 1,3,5-Trichlorobenzene
 Concen: 2.720 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:	180	Resp:	6367
Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.4	116.0
184	28.1	24.7	37.1
145	30.7	23.5	35.3

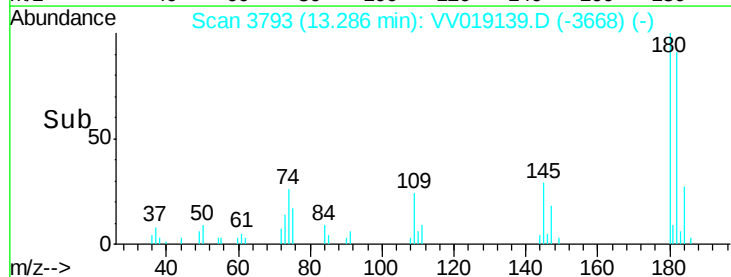
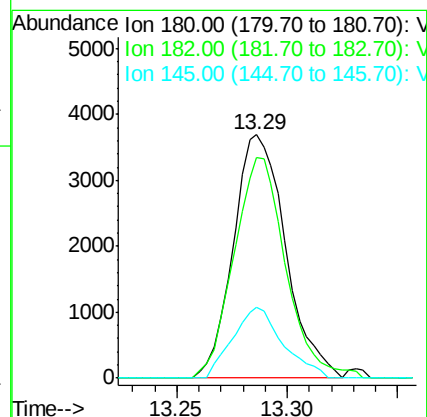
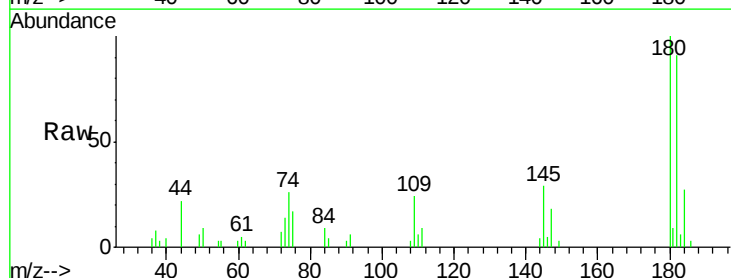
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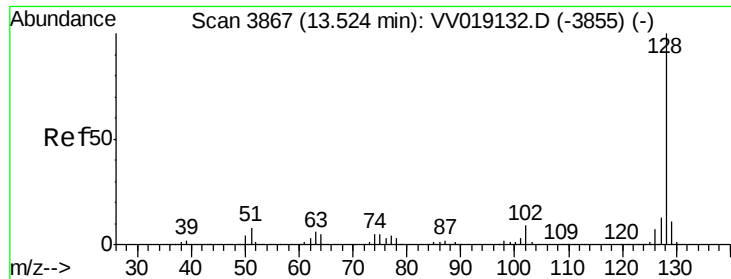
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#68
 1,2,4-trichlorobenzene
 Concen: 2.752 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019139.D
 Acq: 28 Oct 2020 17:10

Tgt Ion:	180	Resp:	6075
Ion	Ratio	Lower	Upper
180	100		
182	89.9	77.4	116.2
145	28.0	23.7	35.5





#69

Naphthalene

Concen: 1.816 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Instrument :

MSVOA_V

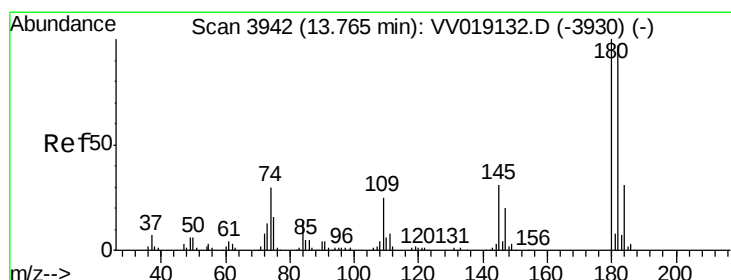
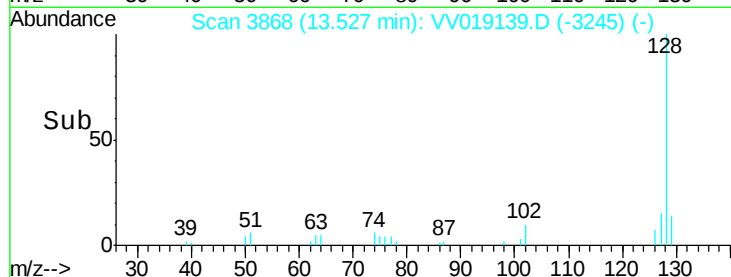
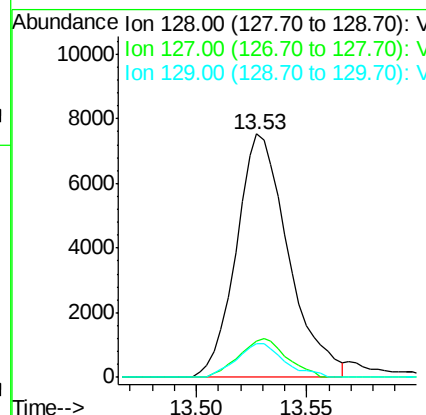
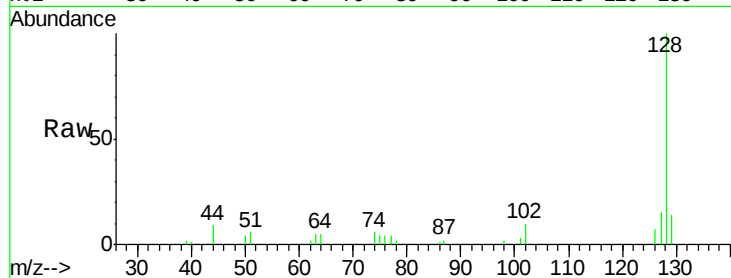
ClientSampled :

MDL04

Tot Ion:	128	Resp:	12352
Ion Ratio	Lower	Upper	
128	100		
127	14.5	10.6	15.8
129	12.7	8.7	13.1

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 2.504 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019139.D

Acq: 28 Oct 2020 17:10

Tgt Ion:	180	Resp:	5600
Ion Ratio	Lower	Upper	
180	100		
182	93.2	76.9	115.3
145	25.9	25.6	38.4

